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OM protein - protein search, using bw model

Run on: July 27, 2005, 19:26:29 ; Search time 42 Seconds  
(without alignments)  
167.072 Million cell updates/sec

Title: US-09-977-406A-1

Perfect score: 94  
Sequence: 1 SCYFIPNKGVPDSTRKCMD.....YIVVEKKDPKXCVSEWII 94

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 513545 seqs, 74649064 residues

Word size : 0

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents, AA:\*

- 1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/PCTUS.COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	length	DB ID	Description
1	94	100.0	94	1	US-07-899-535A-1
2	94	100.0	114	4	US-09-513-999C-7807
3	26	27.7	28	1	US-07-899-535A-4
4	17	18.1	17	1	US-07-899-535A-3
5	7	7.4	10	1	US-07-899-535A-2
6	7	7.4	235	4	US-09-270-767-57304
7	7	7.4	514	4	US-09-270-767-42047
8	7	7.4	626	4	US-09-948-722-2
9	7	7.4	40	3	US-09-065-383-30
10	6	6.4	66	4	US-09-270-767-39485
11	6	6.4	66	4	US-09-270-767-54702
12	6	6.4	104	3	US-08-858-207A-428
13	6	6.4	114	4	US-09-252-991A-25178
14	6	6.4	165	4	US-09-902-540-15519
15	6	6.4	222	2	US-09-384-162-8
16	6	6.4	241	2	US-08-460-309-17
17	6	6.4	241	2	US-08-125-077-17
18	6	6.4	265	4	US-09-543-681A-6305
19	6	6.4	301	4	US-09-949-016-6524
20	6	6.4	308	4	US-09-949-016-6524
21	6	6.4	338	4	US-09-270-767-46028
22	6	6.4	339	4	US-09-248-796A-16100
23	6	6.4	350	4	US-09-270-767-43557
24	6	6.4	363	4	US-09-328-352-5693
25	6	6.4	371	4	US-09-270-767-43550
26	6	6.4	393	3	US-08-888-429A-21
27	6	6.4			

28	6	6.4	393	4	US-09-593-653-21	Sequence 21, Appl
29	6	6.4	425	4	US-09-634-955B-19	Sequence 19, Appl
30	6	6.4	433	4	US-09-489-039A-9744	Sequence 9744, Ap
31	6	6.4	453	4	US-09-328-352-4181	Sequence 4181, Ap
32	6	6.4	454	4	US-09-107-532A-4860	Sequence 4860, Ap
33	6	6.4	454	4	US-09-134-000C-6535	Sequence 6535, Ap
34	6	6.4	460	4	US-09-248-796A-19819	Sequence 19819, A
35	6	6.4	479	4	US-09-252-991A-19246	Sequence 19246, A
36	6	6.4	481	4	US-09-914-259-35	Sequence 35, Appl
37	6	6.4	486	4	US-09-914-259-35	Sequence 35, Appl
38	6	6.4	486	4	US-09-976-554-278	Sequence 278, App
39	6	6.4	486	4	US-09-949-016-6216	Sequence 6216, Ap
40	6	6.4	487	4	US-09-206-166-6	Sequence 6, Appl
41	6	6.4	489	4	US-09-328-352-5330	Sequence 5330, Ap
42	6	6.4	498	3	US-09-232-468A-18	Sequence 18, Appl
43	6	6.4	498	3	US-09-232-468A-18	Sequence 24, App
44	6	6.4	498	3	US-08-686-968C-231	Sequence 231, App
45	6	6.4	498	4	US-09-784-984B-52	Sequence 52, Appl

# ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
; Sequence 1, Application US/07899535A  
; Patent No. 5428011  
; GENERAL INFORMATION:  
; APPLICANT: Sheth, Anil R.  
; APPLICANT: Garde, Seema  
; APPLICANT: Panchal, Chandra J.  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
; TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Mr. George Loud  
; STREET: 2001 Jefferson Davis Highway, Suite 306  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899,535A  
; FILING DATE: 16-JUN-1992  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Loud, George A.  
; REGISTRATION NUMBER: 25,814  
; REFERENCE/DOCKET NUMBER: S&B-A835  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-415-0960  
; TELEFAX: 703-415-0962  
; TELEX: 24 8614  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 94 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
; US-07-899-535A-1

Query Match 100.0%; Score 94; DB 1; Length 94;  
Best Local Similarity 100.0%; Pred. No. 8.1e-99;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYIPNKGVPDSTRKCMDLKGKHPINSEMOJDNCTCTCYETETISCTTIVSTPVGYD 60  
Db 1 SCYIPNKGVPDSTRKCMDLKGKHPINSEMOJDNCTCTCYETETISCTTIVSTPVGYD 60  
Qy 61 KDNCRIFPKEDCKYIVVEKDPKKTCSVSEMI 94  
Db 61 KDNCRIFPKEDCKYIVVEKDPKKTCSVSEMI 94

RESULT 2  
US-09-513-999C-7807  
Sequence 7807, Application US/09513999C  
Patent No. 6783961  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J.B.  
APPLICANT: Duclert, A.  
APPLICANT: Giordano, J.Y.  
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
Patent No. 6783961  
FILE REFERENCE: 59, US2, REG  
CURRENT APPLICATION NUMBER: US/09/513, 999C  
CURRENT FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/122,487  
PRIOR FILING DATE: 1999-02-26  
NUMBER OF SEQ ID NOS: 36681  
SOFTWARE: Patent.pm  
SEQ ID NO 7807  
LENGTH: 114  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: -20...-1  
OTHER INFORMATION: score 9  
OTHER INFORMATION: seq VVIFATVTLGNA/SC  
US-09-513-999C-7807

Query Match 100.0%; Score 94; DB 4; Length 114;  
Best Local Similarity 100.0%; Pred. No. 9, 6e-99;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 SCYIPNKGVPDSTRKCMDLKGKHPINSEMOJDNCTCTCYETETISCTTIVSTPVGYD 60  
Db 21 SCYIPNKGVPDSTRKCMDLKGKHPINSEMOJDNCTCTCYETETISCTTIVSTPVGYD 80  
Qy 61 KDNCRIFPKEDCKYIVVEKDPKKTCSVSEMI 94  
Db 81 KDNCRIFPKEDCKYIVVEKDPKKTCSVSEMI 114

RESULT 3  
US-07-899-535A-4  
Sequence 4, Application US/07899535A  
Patent No. 5428011  
GENERAL INFORMATION:  
APPLICANT: Sheth, Anil R.  
APPLICANT: Garde, Seema  
APPLICANT: Panchal, Chandra J.  
TITLE OF INVENTION: Pharmaceutical Preparations For  
TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mr. George Loud  
STREET: 2001 Jefferson Davis Highway, Suite 306  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/899,535A  
FILING DATE: 16-JUN-1992  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Loud, George A. 25, 814  
REGISTRATION NUMBER: 25, 814  
REFERENCE/DOCKET NUMBER: S&B-A835  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-415-0960  
TELEFAX: 703-415-0962  
TELEX: 24 8614  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
US-07-899-535A-4

Query Match 27.7%; Score 26; DB 1; Length 28;  
Best Local Similarity 100.0%; Pred. No. 2, 9e-22;  
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 67 IFKKEDCKYIVVEKDPKKTCSVSEW 92  
Db 1 IFKKEDCKYIVVEKDPKKTCSVSEW 26

RESULT 4  
US-07-899-535A-3  
Sequence 3, Application US/07899535A  
Patent No. 5428011  
GENERAL INFORMATION:  
APPLICANT: Sheth, Anil R.  
APPLICANT: Garde, Seema  
APPLICANT: Panchal, Chandra J.  
TITLE OF INVENTION: Pharmaceutical Preparations For  
TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mr. George Loud  
STREET: 2001 Jefferson Davis Highway, Suite 306  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/899,535A  
FILING DATE: 16-JUN-1992  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Loud, George A. 25, 814  
REGISTRATION NUMBER: 25, 814  
REFERENCE/DOCKET NUMBER: S&B-A835  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-415-0960  
TELEFAX: 703-415-0962  
TELEX: 24 8614  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide

HYPOTHEICAL: NO  
US-07-899-535A-3

Query Match 18.1%; Score 17; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 2.9e-12;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRK 17  
Db 1 SCYFIPNEGVPDSTRK 17

RESULT 5  
US-07-899-535A-2  
Sequence 2, Application US/07899535A  
Patent No. 5428011

GENERAL INFORMATION:  
APPLICANT: Sheeh, Anil R.  
APPLICANT: Panchal, Chandra U.  
TITLE OF INVENTION: Pharmaceutical Preparations For  
TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mr. George Loud  
STREET: 2001 Jefferson Davis Highway, Suite 306  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/899,535A  
FILING DATE: 16-JUN-1992  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Loud, George A.  
REGISTRATION NUMBER: 25, 814  
REFERENCE/DOCKET NUMBER: S&B-A835  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-415-0960  
TELEFAX: 703-415-0962  
TELEX: 24 8614

INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
US-07-899-535A-2

Query Match 7.4%; Score 7; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.39;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 TCSVSEW 92  
Db 2 TCSVSEW 8

RESULT 6  
US-09-270-767-57304  
Sequence 57304, Application US/09270767  
Patent No. 6703491  
GENERAL INFORMATION:  
APPLICANT: Homburger et al.  
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

FILE REFERENCE: File Reference: 7326-094  
CURRENT APPLICATION NUMBER: US/09/270,767  
CURRENT FILING DATE: 1999-03-17  
NUMBER OF SEQ ID NOS: 62517  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 57304  
LENGTH: 235  
TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-09-270-767-57304

Query Match 7.4%; Score 7; DB 4; Length 235;  
Best Local Similarity 100.0%; Pred. No. 6.6;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 21 LKGNKHP 27  
Db 33 LKGNKHP 39

RESULT 7  
US-09-270-767-42047  
Sequence 42047, Application US/09270767  
Patent No. 6703491  
GENERAL INFORMATION:  
APPLICANT: Homburger et al.  
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
FILE REFERENCE: File Reference: 7326-094  
CURRENT APPLICATION NUMBER: US/09/270,767  
CURRENT FILING DATE: 1999-03-17  
NUMBER OF SEQ ID NOS: 62517  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 42047  
LENGTH: 514  
TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-09-270-767-42047

Query Match 7.4%; Score 7; DB 4; Length 514;  
Best Local Similarity 100.0%; Pred. No. 13;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 21 LKGNKHP 27  
Db 312 LKGNKHP 318

RESULT 8  
US-09-485-717-2  
Sequence 2, Application US/09485717  
Patent No. 6673353  
GENERAL INFORMATION:  
APPLICANT: Kaufmann, Stefan  
APPLICANT: Hesse, Jigen  
TITLE OF INVENTION: Tuberculosis Vaccine  
FILE REFERENCE: 16862PUS  
CURRENT APPLICATION NUMBER: US/09/485,717  
CURRENT FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: EP 97114614.7  
PRIOR FILING DATE: 1997-08-22  
PRIOR APPLICATION NUMBER: PCT/EP98-05109  
PRIOR FILING DATE: 1998-08-12  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 2  
LENGTH: 626  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: recombinant  
US-09-485-717-2

Query Match 7.4%; Score 7; DB 4; Length 626;

Best Local Similarity 100.0%; Pred. No. 16;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 YIYVEKK 81  
|||  
Db 143 YIYVEKK 149

## RESULT 9

US-09-948-722-2  
; Sequence 2, Application US/09948722  
; Patent No. 6776893  
; GENERAL INFORMATION:  
; APPLICANT: Kauffmann, Stefan H. E.  
; APPLICANT: Hees, Jurgen  
; TITLE OF INVENTION: Tuberculosis Vaccine  
; FILE REFERENCE: 100564-00079  
; CURRENT APPLICATION NUMBER: US/09/948,722  
; CURRENT FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: US 09/485,717  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: PCT/EP98/05109  
; PRIOR FILING DATE: 1998-08-12  
; PRIOR APPLICATION NUMBER: EP 97/114,614.7  
; PRIOR FILING DATE: 1997-08-23  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 626  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: recombinant nucleic acid  
; OTHER INFORMATION: molecule comprising a domain of Mycobacterium and a phagolysomal  
US-09-948-722-2

Query Match 7.4%; Score 7; DB 4; Length 626;  
Best Local Similarity 100.0%; Pred. No. 16;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 YIYVEKK 81  
|||  
Db 143 YIYVEKK 149

## RESULT 10

US-09-065-383-30  
; Sequence 30, Application US/09065383  
; Patent No. 6391543  
; GENERAL INFORMATION:  
; APPLICANT: BILLING-MEDEL, PATRICIA  
; APPLICANT: COHEN, MAURICE  
; APPLICANT: COLPITTS, TRACEY L.  
; APPLICANT: FRIEDMAN, PAULA N.  
; APPLICANT: GORDON, JULIAN  
; APPLICANT: GRANADOS, EDWARD N.  
; APPLICANT: HODGES, STEVEN C.  
; APPLICANT: KLAS, MICHAEL R.  
; APPLICANT: KRATOCHVIL, JON D.  
; APPLICANT: ROBERTS-RAPP, LISA  
; APPLICANT: RUSSELL, JOHN C.  
; APPLICANT: STROUPE, STEPHEN D.  
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Abbott Laboratories  
; STREET: 100 Abbott Park Road  
; CITY: Abbott Park  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60064-3500

## COMPUTER READABLE FORM:

;;  
;; MEDIUM TYPE: Diskette  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: DOS  
;; SOFTWARE: FASTSEQ for Windows Version 2.0  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/065,383  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/842,385  
;; FILING DATE: 23-APR-1997  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Becker, Cheryl L.  
;; REGISTRATION NUMBER: 35,441  
;; REFERENCE/DOCKET NUMBER: 6084.US.P1  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 847/935-1729  
;; TELEFAX: 847/938-2623  
;; TELEX:  
;; INFORMATION FOR SEQ ID NO: 30:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 40 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: No. 6391543e  
US-09-065-383-30

Query Match 6.4%; Score 6; DB 3; Length 40;  
Best Local Similarity 100.0%; Pred. No. 18;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 78 VEKKDP 83  
|||  
Db 4 VEKKDP 9

## RESULT 11

US-09-270-767-39485  
; Sequence 39485, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 39485  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; FEATURE:  
; OTHER INFORMATION: Xaa means any amino acid  
US-09-270-767-39485

Query Match 6.4%; Score 6; DB 4; Length 66;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 71 EDCKYI 76  
|||  
Db 24 EDCKYI 29

## RESULT 12

US-09-270-767-54702  
; Sequence 54702, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.



```

; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 54702
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-54702

Query Match      6.4%; Score 6; DB 4; Length 66;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      71 EDCKYI 76
        |||||
Db      24 EDCKYI 29

RESULT 13
US-08-858-207A-428
; Sequence 428, Application US/08858207A
; Patent No. 6348328
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Nicholas, Richard
; APPLICANT: Stodola, Robert
; TITLE OF INVENTION: No. 6348328e1 Compounds
; NUMBER OF SEQUENCES: 552
; CORRESPONDENCE ADDRESSES:
; ADDRESSSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/858,207A
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/017670
; FILING DATE: 14-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimm, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50475
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 428:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6348328e
US-08-858-207A-428

Query Match      6.4%; Score 6; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 43;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      57 VGYDKD 62
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Db      47 VGYDKD 52

RESULT 14
US-09-252-991A-25178
; Sequence 25178, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 25178
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25178

Query Match      6.4%; Score 6; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      51 TLVSTP 56
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Db      65 TLVSTP 70

RESULT 15
US-09-902-540-15519
; Sequence 15519, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO: 15519
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-15519

Query Match      6.4%; Score 6; DB 4; Length 165;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      53 VSTPVG 58
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Db      86 VSTPVG 91

Search completed: July 27, 2005, 20:10:17
Job time : 44 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 27, 2005, 20:06:20 / Search time 155 seconds  
(without alignments)  
235.905 Million cell updates/sec

Title: US-09-977-406A-1

Perfect score: 94  
Sequence: 1 SCYFLPMGVGPDSTRKCMD.....YIVVEKKDPKTKTSVSEWII 94

Scoring table: OLIGO  
Gapop 60.0, Gapext 60.0

Searched: 1741741 seqs, 388992284 residues

Word size: 0

Total number of hits satisfying chosen parameters: 1741741

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: listing first 45 summaries

Database:

Published Applications AA:\*

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22: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pdp:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	94	100.0	94	10	US-09-977-406A-1
2	94	100.0	94	14	US-10-291-360-1
3	94	100.0	94	17	US-10-857-358-1
4	94	100.0	94	17	US-10-948-229-1
5	94	100.0	94	20	US-11-004-273-1
6	94	100.0	94	20	US-11-004-273-1
7	94	100.0	102	10	US-09-977-406A-2
8	94	100.0	102	14	US-10-291-360-2
9	94	100.0	102	17	US-10-857-358-2
10	94	100.0	102	17	US-10-948-229-2
11	94	100.0	102	20	US-11-004-270-2

12	94	100.0	102	20	US-11-004-273-2	Sequence 2, Appli
13	94	100.0	114	13	US-10-012-896-1003	Sequence 1003, Ap
14	94	100.0	114	14	US-10-205-823-271	Sequence 271, App
15	94	100.0	114	14	US-10-144-678A-1003	Sequence 1003, Ap
16	94	100.0	114	14	US-10-294-025-1003	Sequence 1003, Ap
17	94	100.0	114	15	US-10-291-172-236	Sequence 236, App
18	94	100.0	114	15	US-10-221-278-236	Sequence 236, App
19	94	100.0	114	16	US-10-408-765A-532	Sequence 532, App
20	94	100.0	132	9	US-09-925-300-1027	Sequence 1027, Ap
21	69	73.4	118	16	US-10-425-115-272486	Sequence 272486,
22	64	68.1	64	10	US-09-977-406A-58	Sequence 58, Appli
23	64	68.1	64	17	US-10-948-229-57	Sequence 57, Appli
24	64	68.1	64	20	US-11-004-270-57	Sequence 57, Appli
25	64	68.1	64	20	US-11-004-273-57	Sequence 57, Appli
26	63	67.0	63	10	US-09-977-406A-57	Sequence 57, Appli
27	63	67.0	63	17	US-10-948-229-56	Sequence 56, Appli
28	63	67.0	63	20	US-11-004-270-56	Sequence 56, Appli
29	63	67.0	63	20	US-11-004-273-56	Sequence 56, Appli
30	62	66.0	62	10	US-09-977-406A-56	Sequence 56, Appli
31	62	66.0	62	17	US-10-948-229-55	Sequence 55, Appli
32	62	66.0	62	20	US-11-004-270-55	Sequence 55, Appli
33	62	66.0	62	20	US-11-004-273-55	Sequence 55, Appli
34	61	64.9	61	10	US-09-977-406A-55	Sequence 55, Appli
35	61	64.9	61	17	US-10-948-229-54	Sequence 54, Appli
36	61	64.9	61	20	US-11-004-270-54	Sequence 54, Appli
37	61	64.9	61	20	US-11-004-273-54	Sequence 54, Appli
38	60	63.8	60	10	US-09-977-406A-54	Sequence 54, Appli
39	60	63.8	60	17	US-10-948-229-53	Sequence 53, Appli
40	60	63.8	60	20	US-11-004-270-53	Sequence 53, Appli
41	60	63.8	60	20	US-11-004-273-53	Sequence 53, Appli
42	59	62.8	59	10	US-09-977-406A-53	Sequence 53, Appli
43	59	62.8	59	17	US-10-948-229-52	Sequence 52, Appli
44	59	62.8	59	20	US-11-004-270-52	Sequence 52, Appli
45	59	62.8	59	20	US-11-004-273-52	Sequence 52, Appli

#### ALIGNMENTS

RESULT 1  
US-09-977-406A-1  
Sequence 1, Application US/09977406A  
Publication No. US20030170220A1  
GENERAL INFORMATION:  
APPLICANT: PROCON BIOPHARMA INC.  
TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
FILE REFERENCE: 06508-030-US-03  
CURRENT FILING DATE: 2001-10-15  
PRIOR APPLICATION NUMBER: CA 2,321,256  
PRIOR FILING DATE: 2000-10-16  
PRIOR APPLICATION NUMBER: CA 2,355,334  
NUMBER OF SEQ ID NOS: 92  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Uivback, M., Lindstrom, C., Weibler, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundwall, A.  
TITLE: Molecular cloning of a small prostatic protein, known as beta-  
TITLE: microseminoprotein, PSP94 or beta-inhibin, and demonstration of transcripts i  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-09-977-406A-1

Query Match 100.0%; Score 94; DB 10; Length 94;  
Best Local Similarity 100.0%; Pred. No. 3.2e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYETEISCTLVSTPVGYD 60

Qy 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94

RESULT 2  
US-10-291-360-1  
Sequence 1, Application US/10291360  
Publication No. US20030119744A1  
GENERAL INFORMATION:  
APPLICANT: PROCYON BIOPHARMA INC.  
TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
FILE REFERENCE: 06508-051-US-02  
CURRENT APPLICATION NUMBER: US/10/291,360  
CURRENT FILING DATE: 2002-11-08  
PRIOR APPLICATION NUMBER: CA 2,361,736  
PRIOR FILING DATE: 2001-11-08  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Ulvback, M., Lindstrom, C., Weiber, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundvall, A\*  
TITLE: Molecular cloning of a small prostate protein, known as beta-  
TITLE: microsemoprotein, PSP94 or beta-inhibin, and demonstration of transcripts  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-10-291-360-1

Query Match 100.0%; Score 94; DB 14; Length 94;  
Best Local Similarity 100.0%; Pred. No. 3.2e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94

RESULT 3  
US-10-857-358-1  
Sequence 1, Application US/10857358  
Publication No. US20050026833A1  
GENERAL INFORMATION:  
APPLICANT: PROCYON BIOPHARMA INC.  
TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
FILE REFERENCE: 06508-153  
CURRENT APPLICATION NUMBER: US/10/857,358  
CURRENT FILING DATE: 2004-06-01  
PRIOR APPLICATION NUMBER: CA 2,361,736  
PRIOR FILING DATE: 2001-11-08  
PRIOR APPLICATION NUMBER: US 10/291,360

PRIOR FILING DATE: 2002-11-08  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Ulvback, M., Lindstrom, C., Weiber, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundvall, A\*  
TITLE: Molecular cloning of a small prostate protein, known as beta-  
TITLE: microsemoprotein, PSP94 or beta-inhibin, and demonstration of transcripts  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-10-857-358-1

Query Match 100.0%; Score 94; DB 17; Length 94;  
Best Local Similarity 100.0%; Pred. No. 3.2e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYETEISCTLVSTPVGYD 60

Qy 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94

RESULT 4  
US-10-948-229-1  
Sequence 1, Application US/10948229  
Publication No. US20050096273A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J  
APPLICANT: Daignault, Luc  
APPLICANT: Hawkins, Robert  
APPLICANT: Ruiz, Marcia  
TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
FILE REFERENCE: BKP-022  
CURRENT APPLICATION NUMBER: US/10/948,229  
CURRENT FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 91  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-948-229-1

Query Match 100.0%; Score 94; DB 17; Length 94;  
Best Local Similarity 100.0%; Pred. No. 3.2e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYETEISCTLVSTPVGYD 60  
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Qy 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 61 KDNCRIFKKEDCKYIVVEKKDPKKTCSVSEWII 94

RESULT 5

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US-11-004-270-1
; Sequence 1, Application US/11004270
; Publication No. US20050147601A1
; GENERAL INFORMATION:
; APPLICANT: Panchal, Chandra J.
; APPLICANT: Wu, Jinzi
; APPLICANT: Beliveau, Richard
; APPLICANT: Ruiz, Marcia
; APPLICANT: Garde, Seema
; APPLICANT: Annabi, Borhane
; APPLICANT: Lamy, Sylvie
; APPLICANT: Bouzeghrane, Mounia
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION
; FILE REFERENCE: BKP-020
; CURRENT APPLICATION NUMBER: US/11/004,270
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US 10/948,229
; PRIOR FILING DATE: 2004-09-24
; PRIOR APPLICATION NUMBER: CA 2,441,695
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-004-270-1

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Query Match          100.0%; Score 94; DB 20; Length 94;
Best Local Similarity 100.0%; Pred. No. 3.2e-93;
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; Publication No. US20050148514A1
; GENERAL INFORMATION:
; APPLICANT: Panchal, Chandra J.
; APPLICANT: Wu, Jinzi
; APPLICANT: Beliveau, Richard
; APPLICANT: Ruiz, Marcia
; APPLICANT: Garde, Seema
; APPLICANT: Annabi, Borhane
; APPLICANT: Lamy, Sylvie
; APPLICANT: Bouzeghrane, Mounia
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS
; FILE REFERENCE: BKP-021
; CURRENT APPLICATION NUMBER: US/11/004,273
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US 10/948,229
; PRIOR FILING DATE: 2004-09-24
; PRIOR APPLICATION NUMBER: CA 2,441,695
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-004-273-1

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Query Match          100.0%; Score 94; DB 20; Length 94;
Best Local Similarity 100.0%; Pred. No. 3.2e-93;
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Cy 1 SCYFIPNEGVPDSTRCKMDLKGNGHPINSEWQDNCETCTCYETEISCTLVSTPVGVD 60
Db 1 SCYFIPNEGVPDSTRCKMDLKGNGHPINSEWQDNCETCTCYETEISCTLVSTPVGVD 60
Cy 61 KNCORIFKEDCKYIVVEKDPKKTCSVSEWII 94
Db 61 KNCORIFKEDCKYIVVEKDPKKTCSVSEWII 94

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RESULT 7
US-09-977-406a-2
; Sequence 2, Application US/09977406a
; Publication No. US20030170220A1
; GENERAL INFORMATION:
; APPLICANT: PROCTON BIOPHARMA INC.
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS
; FILE REFERENCE: 06508-030-US-03
; CURRENT APPLICATION NUMBER: US/09/977,406a
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: CA 2,321,256
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: CA 2,355,334
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: recombinant human PSP94 (rHudSP94) produced from yeast
US-09-977-406a-2

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Query Match          100.0%; Score 94; DB 10; Length 102;
Best Local Similarity 100.0%; Pred. No. 3.4e-93;
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Cy 1 SCYFIPNEGVPDSTRCKMDLKGNGHPINSEWQDNCETCTCYETEISCTLVSTPVGVD 60
Db 9 SCYFIPNEGVPDSTRCKMDLKGNGHPINSEWQDNCETCTCYETEISCTLVSTPVGVD 68
Cy 61 KNCORIFKEDCKYIVVEKDPKKTCSVSEWII 94
Db 69 KNCORIFKEDCKYIVVEKDPKKTCSVSEWII 102

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RESULT 8
US-10-291-360-2
; Sequence 2, Application US/10291360
; Publication No. US20030119744A1
; GENERAL INFORMATION:
; APPLICANT: PROCTON BIOPHARMA INC.
; TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis
; FILE REFERENCE: 06508-051-US-02
; CURRENT APPLICATION NUMBER: US/10/291,360
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: CA 2,361,736
; PRIOR FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: recombinant human PSP94 (rHudSP94) produced from yeast
US-10-291-360-2

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Query Match 100.0%; Score 94; DB 14; Length 102;  
Best Local Similarity 100.0%; Pred. No. 3,4e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 9 SCYFIPNEGVPDSTRKCMDLKGNKHPINSEWOTDNCETCTCYETEISCTLVSTPVGXD 68

Qy 61 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 69 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 102

RESULT 9  
US-10-857-358-2  
; Sequence 2, Application US/10857358  
; Publication No. US2005002683A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PSP-94: Use For Treatment of Hypercalcemia and Bone metastasis  
; FILE REFERENCE: 06508-153  
; CURRENT APPLICATION NUMBER: US/10/857,358  
; PRIOR FILING DATE: 2004-06-01  
; PRIOR APPLICATION NUMBER: CA 2,361,736  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: US 10/291,360  
; PRIOR FILING DATE: 2002-11-08  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 2  
; LENGTH: 102  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: recombinant human PSP94 (rHusP94) produced from yeast  
US-10-857-358-2

Query Match 100.0%; Score 94; DB 17; Length 102;  
Best Local Similarity 100.0%; Pred. No. 3,4e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGNKHPINSEWOTDNCETCTCYETEISCTLVSTPVGXD 60  
Db 9 SCYFIPNEGVPDSTRKCMDLKGNKHPINSEWOTDNCETCTCYETEISCTLVSTPVGXD 68

Qy 61 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 69 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 102

RESULT 10  
US-10-948-229-2  
; Sequence 2, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: Patentin version 3.3  
; SEQ ID NO 2  
; LENGTH: 102  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:

; OTHER INFORMATION: PSP94 derivative  
US-10-948-229-2

Query Match 100.0%; Score 94; DB 17; Length 102;  
Best Local Similarity 100.0%; Pred. No. 3,4e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGNKHPINSEWOTDNCETCTCYETEISCTLVSTPVGXD 60  
Db 9 SCYFIPNEGVPDSTRKCMDLKGNKHPINSEWOTDNCETCTCYETEISCTLVSTPVGXD 68

Qy 61 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 69 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 102

RESULT 11  
US-11-004-270-2  
; Sequence 2, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: Patentin version 3.3  
; SEQ ID NO 2  
; LENGTH: 102  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-11-004-270-2

Query Match 100.0%; Score 94; DB 20; Length 102;  
Best Local Similarity 100.0%; Pred. No. 3,4e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGNKHPINSEWOTDNCETCTCYETEISCTLVSTPVGXD 60  
Db 9 SCYFIPNEGVPDSTRKCMDLKGNKHPINSEWOTDNCETCTCYETEISCTLVSTPVGXD 68

Qy 61 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 69 KDNQRIFFKEDCKYIVVEKKDPKKTCSVSEWII 102

RESULT 12  
US-11-004-273-2  
; Sequence 2, Application US/11004273  
; Publication No. US2005014851A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane

APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeghrane, Mounia  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
FILE REFERENCE: BKP-021  
CURRENT APPLICATION NUMBER: US/11/004,273  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 2  
LENGTH: 102  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PSP94 family member  
US-11-004-273-2

Query Match 100.0%; Score 94; DB 20; Length 102;  
Best Local Similarity 100.0%; Pred. No. 3.4e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNGVPGDSTRKCMGDKGNKHPINSEWQTDNCECTCYETEISCTLVSTPVGYD 60  
Db 9 SCYFIPNGVPGDSTRKCMGDKGNKHPINSEWQTDNCECTCYETEISCTLVSTPVGYD 68  
Qy 61 KDNCRIFPKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 69 KDNCRIFPKEDCKYIVVEKKDPKKTCSVSEWII 102

## RESULT 13

US-10-012-896-1003  
Sequence 1003, Application US/10012896  
Publication No. US20020183251A1  
GENERAL INFORMATION:

APPLICANT: Xu, Jianshun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yudu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Derrick  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yahir A.W.  
APPLICANT: Hepier, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: Vinals de Basols, Carlota  
APPLICANT: Foy, Teresa  
APPLICANT: Fanger, Gary R.  
APPLICANT: Wantanabe, Yoshihiro  
APPLICANT: Meagher, Madeleine Joy  
TITLE OF INVENTION: METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.427C27  
CURRENT APPLICATION NUMBER: US/10/012,896  
CURRENT FILING DATE: 2001-12-10  
NUMBER OF SEQ ID NOS: 1011  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 1003  
LENGTH: 114

TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-012-896-1003

Query Match 100.0%; Score 94; DB 13; Length 114;  
Best Local Similarity 100.0%; Pred. No. 3.8e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNGVPGDSTRKCMGDKGNKHPINSEWQTDNCECTCYETEISCTLVSTPVGYD 60  
Db 21 SCYFIPNGVPGDSTRKCMGDKGNKHPINSEWQTDNCECTCYETEISCTLVSTPVGYD 80  
Qy 61 KDNCRIFPKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 81 KDNCRIFPKEDCKYIVVEKKDPKKTCSVSEWII 114

## RESULT 14

US-10-205-823-271  
Sequence 271, Application US/10205823  
Publication No. US20030108963A1  
GENERAL INFORMATION:

APPLICANT: Schlegel, Robert  
APPLICANT: Monahan, John E.  
APPLICANT: Endege, Wilson O.  
APPLICANT: Gannavarapu, Manjula  
APPLICANT: Gorbacheva, Bella  
APPLICANT: Hoersch, Sebastian  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Womsey, Angela W.  
APPLICANT: Glatc, Karen  
APPLICANT: Zhao, Xumei  
APPLICANT: Anderson, Dustin  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND  
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
TITLE OF INVENTION: THERAPY OF PROSTATE CANCER  
FILE REFERENCE: MRI-044  
CURRENT APPLICATION NUMBER: US/10/205,823  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: 60/307,982  
PRIOR FILING DATE: 2001-07-25  
PRIOR APPLICATION NUMBER: 60/314,356  
PRIOR FILING DATE: 2001-08-22  
PRIOR APPLICATION NUMBER: 60/325,020  
PRIOR FILING DATE: 2001-09-25  
PRIOR APPLICATION NUMBER: 60/341,746  
PRIOR FILING DATE: 2001-12-12  
PRIOR APPLICATION NUMBER: 60/362,158  
PRIOR FILING DATE: 2002-03-05  
NUMBER OF SEQ ID NOS: 455  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 271  
LENGTH: 114  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-205-823-271

Query Match 100.0%; Score 94; DB 14; Length 114;  
Best Local Similarity 100.0%; Pred. No. 3.8e-93;  
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNGVPGDSTRKCMGDKGNKHPINSEWQTDNCECTCYETEISCTLVSTPVGYD 60  
Db 21 SCYFIPNGVPGDSTRKCMGDKGNKHPINSEWQTDNCECTCYETEISCTLVSTPVGYD 80  
Qy 61 KDNCRIFPKEDCKYIVVEKKDPKKTCSVSEWII 94  
Db 81 KDNCRIFPKEDCKYIVVEKKDPKKTCSVSEWII 114

RESULT 15  
US-10-144-678A-1003  
Sequence 1003, Application US/10144678A

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; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepfer, William T.
; APPLICANT: Hurai, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals Y de Bassols, Carlot
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1003
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-144-678A-1003

Query Match          100.0%; Score 94; DB 14; Length 114;
Best Local Similarity 100.0%; Pred. No. 3.8e-93;
Matches 94; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SCYIPNEGVPDSTRKCMIDLKGNKHPINSEWQTDNCECTCTCYETETISCTLVSTPVGXD 60
      |||
Db      21 SCYIPNEGVPDSTRKCMIDLKGNKHPINSEWQTDNCECTCTCYETETISCTLVSTPVGXD 80

QY      61 KDNCRITPKKEDCKYIVVEKKDPKKTCVSEWII 94
      |||
Db      81 KDNCRITPKKEDCKYIVVEKKDPKKTCVSEWII 114
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Search completed: July 27, 2005, 20:22:23  
Job time : 155 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 27, 2005, 19:08:08 ; Search time 7.69091 Seconds  
(without alignments)  
145.592 Million cell updates/sec

Title: US-09-977-406A-5  
Perfect score: 97  
Sequence: 1 EMQDNCETCYET 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Patents.AA:  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	length	ID	Description
1	97	100.0	94	US-07-899-535A-1	Sequence 1, Appli
2	97	100.0	114	US-09-513-999C-7807	Sequence 7807, Ap
3	52	53.6	1045	US-09-949-016-11112	Sequence 11112, A
4	52	53.6	1172	US-08-313-288B-19	Sequence 19, Appl
5	52	53.6	1172	US-09-949-016-6333	Sequence 6333, Ap
6	50	51.5	466	US-09-724-864-44	Sequence 44, Appl
7	49	50.5	1036	US-09-949-016-6910	Sequence 6910, Ap
8	49	50.5	1049	US-09-949-016-11522	Sequence 11522, A
9	47	48.5	164	US-09-907-794A-12	Sequence 12, Appl
10	47	48.5	164	US-09-905-125A-12	Sequence 12, Appl
11	47	48.5	164	US-09-902-775A-12	Sequence 12, Appl
12	47	48.5	164	US-09-906-700-12	Sequence 12, Appl
13	47	48.5	164	US-09-903-603A-12	Sequence 12, Appl
14	47	48.5	164	US-09-904-920A-12	Sequence 12, Appl
15	47	48.5	164	US-09-909-064-12	Sequence 12, Appl
16	47	48.5	164	US-09-905-381A-12	Sequence 12, Appl
17	47	48.5	164	US-09-906-618-12	Sequence 12, Appl
18	46	47.4	9	US-08-481-968A-24	Sequence 24, Appl
19	46	47.4	9	US-08-154-712B-24	Sequence 24, Appl
20	46	47.4	9	US-09-947-925A-24	Sequence 24, Appl
21	45	46.4	162	US-09-270-767-41212	Sequence 41212, A
22	45	46.4	162	US-09-270-767-56428	Sequence 56428, A
23	45	46.4	239	US-08-985-526-1	Sequence 1, Appli
24	45	46.4	239	PCT-US93-01652-1	Sequence 1, Appli
25	45	46.4	306	US-09-489-039A-11260	Sequence 11260, A
26	45	46.4	441	US-08-985-526-3	Sequence 3, Appli
27	45	46.4	1170	US-08-313-288B-20	Sequence 20, Appli

28	45	46.4	1170	US-09-657-472-2	Sequence 2, Appli
29	44.5	45.9	290	US-09-543-681A-6461	Sequence 6461, Ap
30	44.5	45.9	1052	US-08-852-806-2	Sequence 2, Appli
31	44.5	45.9	1052	US-09-163-669-2	Sequence 2, Appli
32	44	45.4	627	US-10-246-658-4	Sequence 4, Appli
33	44	45.4	685	US-10-246-658-2	Sequence 2, Appli
34	43	44.3	90	US-09-513-999C-5586	Sequence 5586, Ap
35	43	44.3	376	US-09-496-005-1	Sequence 11, Appli
36	43	44.3	421	US-09-806-516A-11	Sequence 30, Appli
37	42.5	43.8	273	US-08-152-019A-30	Sequence 60104, A
38	42	43.3	57	US-09-270-767-60104	Sequence 41534, A
39	42	43.3	115	US-09-270-767-41534	Sequence 44651, A
40	42	43.3	156	US-09-270-767-44651	Sequence 58661, A
41	42	43.3	201	US-09-270-767-58661	Sequence 6, Appli
42	42	43.3	459	US-09-118-319-6	Sequence 2, Appli
43	42	43.3	459	US-09-286-691-2	Sequence 2, Appli
44	42	43.3	459	US-09-687-147-2	Sequence 2, Appli
45	42	43.3	493	US-09-687-147-2	Patent No. 5196333

#### ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
; Sequence 1, Application US/07899535A  
; Patent No. 5428011  
; GENERAL INFORMATION:  
; APPLICANT: Sheth, Anil R.  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: Panchal, Chandra J.  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
; TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Mr. George Loud  
; STREET: 2001 Jefferson Davis Highway, Suite 306  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899,535A  
; FILING DATE: 16-JUN-1992  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Loud, George A.  
; REGISTRATION NUMBER: 25,814  
; REFERENCE/DOCKET NUMBER: S&B-A835  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-415-0960  
; TELEFAX: 703-415-0962  
; TELEX: 24 8614  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 94 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
; US-07-899-535A-1

Query Match 100.0%; Score 97; DB 1; Length 94;  
Best Local Similarity 100.0%; Pred. No. 4.3e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



SEQ ID NO 6333  
LENGTH: 1172  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-6333

Query Match 53.6%; Score 52; DB 4; Length 1172;  
Best Local Similarity 63.6%; Pred. No. 42;  
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 2 WQDNCCTCTC 12  
DB 333 WVDSCCTCTC 343

RESULT 6  
US-09-724-864-44  
Sequence 44, Application US/09724864  
Patent No. 6380362  
GENERAL INFORMATION:  
APPLICANT: Watson, James D.  
APPLICANT: Murison, James G.  
TITLE OF INVENTION: polynucleotides, polypeptides expressed  
FILE REFERENCE: 11000.1050U1  
CURRENT FILING DATE: 2000-11-28  
PRIOR FILING DATE: 2000-11-28  
PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 44  
LENGTH: 466  
TYPE: PRT  
ORGANISM: Mouse  
US-09-724-864-44

Query Match 51.5%; Score 50; DB 3; Length 466;  
Best Local Similarity 70.0%; Pred. No. 32;  
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 DNCCTCTCYE 14  
DB 119 DNCNCTCTCHE 128

RESULT 7  
US-09-949-016-6910  
Sequence 6910, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CL001307  
CURRENT FILING DATE: 2000-04-14  
PRIOR FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 6910  
LENGTH: 1036  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-6910

Query Match 50.5%; Score 49; DB 4; Length 1036;  
Best Local Similarity 50.0%; Pred. No. 93;

Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;  
QY 2 WQDNCCTCTCY 13  
DB 693 WNDSCCTCTCH 704

RESULT 8  
US-09-949-016-11522  
Sequence 11522, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CL001307  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 11522  
LENGTH: 1049  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-11522

Query Match 50.5%; Score 49; DB 4; Length 1049;  
Best Local Similarity 50.0%; Pred. No. 94;  
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 2 WQDNCCTCTCY 13  
DB 706 WNDSCCTCTCH 717

RESULT 9  
US-09-907-794A-12  
Sequence 12, Application US/09907794A  
Patent No. 6635468  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerdtsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
Acids Encoding the Same

```
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/2054
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
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PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 12
LENGTH: 164
TYPE: PRT
ORGANISM: Homo sapiens
US-09-907-794A-12

Query Match      48.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      5 DNCERTCTCYE 14
Db      120 DNCNRCCTCOE 129

RESULT 10
US-09-905-125A-12
Sequence 12, Application US/09905125A
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
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APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Matcher, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tuma, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,125A
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
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PRIOR APPLICATION NUMBER: PCT/US99/28214
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PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 12
LENGTH: 164
TYPE: PRT
ORGANISM: Homo sapiens
US-09-905-125A-12

Query Match      48.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      5 DNCERTCTCYE 14
Db      120 DNCNRCCTCOE 129

RESULT 11
US-09-902-775A-12
Sequence 12, Application US/09902775A
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
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APPLICANT: Desnoyers, Luc  
APPLICANT: Ealon, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Geritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gutney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/902,775A  
CURRENT FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
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PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
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PRIOR FILING DATE: 1999-09-15  
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PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 12  
LENGTH: 164  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-902-775A-12

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Best Local Similarity 70.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 5 DNCRCCTCYE 14

DB 120 DNCRCCTCYE 129

RESULT 12  
US-09-906-700-12  
Sequence 12, Application US/09906700  
Patent No. 6723535  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Ealon, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Geritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gutney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/906,700  
CURRENT FILING DATE: 2000-09-18  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
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PRIOR APPLICATION NUMBER: PCT/US99/20944  
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PRIOR APPLICATION NUMBER: PCT/US99/30095  
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PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05

;; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 12  
; LENGTH: 164  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-906-700-12

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Best Local Similarity 70.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 DNCETCTCYE 14  
Db 120 DNCNRCCTQOE 129

RESULT 13  
US-09-903-603A-12  
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; Patent No. 6767995  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Baton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerltzen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kijavlin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: GNE.1618P2C12  
; CURRENT APPLICATION NUMBER: US/09/903,603A  
; CURRENT FILING DATE: 2001-07-11  
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; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
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;; PRIOR APPLICATION NUMBER: PCT/US99/28564  
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; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 12  
; LENGTH: 164  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-903-603A-12

Query Match 48.5%; Score 47; DB 4; Length 164;  
Best Local Similarity 70.0%; Pred. No. 30;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 DNCETCTCYE 14  
Db 120 DNCNRCCTQOE 129

RESULT 14  
US-09-904-920A-12  
; Sequence 12, Application US/09904920A  
; Patent No. 6806352  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Baton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerltzen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kijavlin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: 10466-14  
; CURRENT APPLICATION NUMBER: US/09/904,920A  
; CURRENT FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: PCT/US00/04414  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-26  
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; ORGANISM: Homo sapiens
US-09-904-920A-12
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Query Match      48.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy      5 DNCERTCTCYE 14
Db      120 DNCNRCTCOE 129
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RESULT 15
US-09-909-064-12
; Sequence 12, Application US/09909064
; Patent No. 6818449
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Batson, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
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US-09-909-064-12
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Query Match      48.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 30;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Db      120 DNCNRCTCOE 129
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- 21: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 22: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	97	100.0	15	US-09-977-406a-5	Sequence 5, Appli
2	97	100.0	15	US-10-291-360-5	Sequence 5, Appli
3	97	100.0	15	US-10-857-358-5	Sequence 5, Appli
4	97	100.0	15	US-10-948-229-5	Sequence 5, Appli
5	97	100.0	15	US-10-948-229-7	Sequence 7, Appli
6	97	100.0	15	US-11-004-270-5	Sequence 7, Appli
7	97	100.0	15	US-11-004-270-7	Sequence 7, Appli
8	97	100.0	15	US-11-004-273-5	Sequence 7, Appli
9	97	100.0	15	US-11-004-273-7	Sequence 7, Appli
10	97	100.0	16	US-09-977-406a-10	Sequence 10, Appli
11	97	100.0	16	US-09-977-406a-59	Sequence 59, Appli

12	97	100.0	16	US-10-948-229-9	Sequence 9, Appli
13	97	100.0	16	US-10-948-229-58	Sequence 58, Appli
14	97	100.0	16	US-11-004-270-9	Sequence 9, Appli
15	97	100.0	16	US-11-004-270-58	Sequence 58, Appli
16	97	100.0	16	US-11-004-273-9	Sequence 9, Appli
17	97	100.0	16	US-11-004-273-58	Sequence 58, Appli
18	97	100.0	17	US-09-977-406a-11	Sequence 11, Appli
19	97	100.0	17	US-09-977-406a-60	Sequence 60, Appli
20	97	100.0	17	US-10-948-229-13	Sequence 13, Appli
21	97	100.0	17	US-10-948-229-59	Sequence 59, Appli
22	97	100.0	17	US-11-004-270-10	Sequence 10, Appli
23	97	100.0	17	US-11-004-270-59	Sequence 59, Appli
24	97	100.0	17	US-11-004-273-10	Sequence 10, Appli
25	97	100.0	17	US-11-004-273-59	Sequence 59, Appli
26	97	100.0	18	US-09-977-406a-12	Sequence 12, Appli
27	97	100.0	18	US-09-977-406a-61	Sequence 61, Appli
28	97	100.0	18	US-10-948-229-11	Sequence 11, Appli
29	97	100.0	18	US-10-948-229-60	Sequence 60, Appli
30	97	100.0	18	US-11-004-270-11	Sequence 11, Appli
31	97	100.0	18	US-11-004-270-60	Sequence 60, Appli
32	97	100.0	18	US-11-004-273-11	Sequence 11, Appli
33	97	100.0	18	US-11-004-273-60	Sequence 60, Appli
34	97	100.0	19	US-09-977-406a-13	Sequence 13, Appli
35	97	100.0	19	US-09-977-406a-62	Sequence 62, Appli
36	97	100.0	19	US-10-948-229-12	Sequence 12, Appli
37	97	100.0	19	US-10-948-229-61	Sequence 61, Appli
38	97	100.0	19	US-11-004-270-12	Sequence 12, Appli
39	97	100.0	19	US-11-004-270-61	Sequence 61, Appli
40	97	100.0	19	US-11-004-273-12	Sequence 12, Appli
41	97	100.0	19	US-11-004-273-61	Sequence 61, Appli
42	97	100.0	20	US-09-977-406a-14	Sequence 14, Appli
43	97	100.0	20	US-09-977-406a-63	Sequence 63, Appli
44	97	100.0	20	US-10-948-229-13	Sequence 13, Appli
45	97	100.0	20	US-10-948-229-62	Sequence 62, Appli

# ALIGNMENTS

RESULT 1  
US-09-977-406a-5  
; Sequence 5, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCCON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977,406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PCK3145 (polypeptide 31-45)  
US-09-977-406a-5

Query Match 100.0%; Score 97; DB 10; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EMOTDNCETCTCYET 15  
|||  
Db 1 EMOTDNCETCTCYET 15

RESULT 2

US-10-291-360-5  
; Sequence 5, Application US/10291360  
; Publication No. US20030119744A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
; FILE REFERENCE: 06508-051-US-02  
; CURRENT FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: CA 2,361,736  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PCK3145 (polypeptide 31-45)  
US-10-291-360-5

Query Match 100.0%; Score 97; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EMQDNCETCTCYET 15  
|||  
Db 1 EMQDNCETCTCYET 15

RESULT 3  
US-10-857-358-5  
; Sequence 5, Application US/10857358  
; Publication No. US20050026833A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
; FILE REFERENCE: 06508-153  
; CURRENT APPLICATION NUMBER: US/10/857,358  
; CURRENT FILING DATE: 2004-06-01  
; PRIOR APPLICATION NUMBER: CA 2,361,736  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: US 10/291,360  
; PRIOR FILING DATE: 2002-11-08  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PCK3145 (polypeptide 31-45)  
US-10-857-358-5

Query Match 100.0%; Score 97; DB 17; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EMQDNCETCTCYET 15  
|||  
Db 1 EMQDNCETCTCYET 15

RESULT 4  
US-10-948-229-5  
; Sequence 5, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema

; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 5  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PCK3154  
US-10-948-229-5

Query Match 100.0%; Score 97; DB 17; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EMQDNCETCTCYET 15  
|||  
Db 1 EMQDNCETCTCYET 15

RESULT 5  
US-10-948-229-7  
; Sequence 7, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 7  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 derivative  
; NAME/KEY: MOD\_RES  
; LOCATION: (7)..(7)  
; OTHER INFORMATION: an acetylaminoethyl group is attached to the sulfur atom of  
; OTHER INFORMATION: cysteine 7  
; FEATURE:  
; NAME/KEY: MOD\_RES  
; LOCATION: (10)..(10)  
; OTHER INFORMATION: an acetylaminoethyl group is attached to the sulfur atom of  
; OTHER INFORMATION: cysteine 10  
; FEATURE:  
; NAME/KEY: MOD\_RES  
; LOCATION: (12)..(12)  
; OTHER INFORMATION: an acetylaminoethyl group is attached to the sulfur atom of  
; OTHER INFORMATION: cysteine 12  
US-10-948-229-7

Query Match 100.0%; Score 97; DB 17; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EMQDNCETCTCYET 15  
|||  
Db 1 EMQDNCETCTCYET 15

## RESULT 6

US-11-004-270-5  
; Sequence 5, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 5  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-11-004-270-5

Query Match 100.0%; Score 97; DB 20; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYET 15  
Db 1 EMQDNCETCTCYET 15

## RESULT 7

US-11-004-270-7  
; Sequence 7, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 7  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial

FEATURE:  
; OTHER INFORMATION: PCK3145 derivative

FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (7)-(7)  
; OTHER INFORMATION: an acetylaminomethyl group is attached to the sulfur atom of  
; OTHER INFORMATION: cystein 7  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (10)-(10)  
; OTHER INFORMATION: an acetylaminomethyl group is attached to the sulfur atom of  
; OTHER INFORMATION: cystein 10  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (12)-(12)  
; OTHER INFORMATION: an acetylaminomethyl group is attached to the sulfur atom of  
; OTHER INFORMATION: cystein 12  
US-11-004-270-7

Query Match 100.0%; Score 97; DB 20; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYET 15  
Db 1 EMQDNCETCTCYET 15

## RESULT 8

US-11-004-273-5  
; Sequence 5, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 5  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-11-004-273-5

Query Match 100.0%; Score 97; DB 20; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYET 15  
Db 1 EMQDNCETCTCYET 15

RESULT 9  
US-11-004-273-7  
; Sequence 7, Application US/11004273

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; Publication No. US2005014851A1
; GENERAL INFORMATION:
; APPLICANT: Panchal, Chandra J.
; APPLICANT: Wu, Jinzi
; APPLICANT: Beliveau, Richard
; APPLICANT: Ruiz, Marcia
; APPLICANT: Garde, Seema
; APPLICANT: Annabi, Borhane
; APPLICANT: Lamy, Sylvie
; APPLICANT: Bouzeghrane, Mounia
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS
; FILE REFERENCE: BKP-021
; CURRENT APPLICATION NUMBER: US/11/004,273
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US 10/948,229
; PRIOR FILING DATE: 2004-09-24
; PRIOR APPLICATION NUMBER: CA 2,441,695
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: PCK3145 derivative
; NAME/KEY: MOD_RES
; LOCATION: (7)..(7)
; OTHER INFORMATION: an acetylaminomethyl group is attached to the sulfur atom of
; FEATURE:
; OTHER INFORMATION: cystein 7
; NAME/KEY: MOD_RES
; LOCATION: (10)..(10)
; OTHER INFORMATION: an acetylaminomethyl group is attached to the sulfur atom of
; FEATURE:
; OTHER INFORMATION: cystein 10
; NAME/KEY: MOD_RES
; LOCATION: (12)..(12)
; OTHER INFORMATION: an acetylaminomethyl group is attached to the sulfur atom of
; OTHER INFORMATION: cystein 12
; US-11-004-273-7

Query Match          100.0%; Score 97; DB 20; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.4e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EMQTDNCETCTCYET 15
       |||
Db      1 EMQTDNCETCTCYET 15

RESULT 10
; US-09-977-406a-10
; Sequence 10, Application US/09977406A
; Publication No. US20030170220A1
; GENERAL INFORMATION:
; APPLICANT: PROCYON BIOPHARMA INC.
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS
; FILE REFERENCE: 06508-030-US-03
; CURRENT APPLICATION NUMBER: US/09/977,406A
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: CA 2,321,256
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: CA 2,355,334
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 16
; TYPE: PRT
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide derived from rHUPSP94 sequence (polypeptide analog)
US-09-977-406a-10

Query Match          100.0%; Score 97; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.6e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EMQTDNCETCTCYET 15
       |||
Db      1 EMQTDNCETCTCYET 15

RESULT 11
; US-09-977-406a-59
; Sequence 59, Application US/09977406A
; Publication No. US20030170220A1
; GENERAL INFORMATION:
; APPLICANT: PROCYON BIOPHARMA INC.
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS
; FILE REFERENCE: 06508-030-US-03
; CURRENT APPLICATION NUMBER: US/09/977,406A
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: CA 2,321,256
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: CA 2,355,334
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 59
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide derived from rHUPSP94 sequence (polypeptide analog)
US-09-977-406a-59

Query Match          100.0%; Score 97; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.6e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EMQTDNCETCTCYET 15
       |||
Db      2 EMQTDNCETCTCYET 16

RESULT 12
; US-10-948-229-9
; Sequence 9, Application US/10948229
; Publication No. US20050096273A1
; GENERAL INFORMATION:
; APPLICANT: Panchal, Chandra J
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; APPLICANT: Ruiz, Marcia
; APPLICANT: Garde, Seema
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS
; FILE REFERENCE: BKP-022
; CURRENT APPLICATION NUMBER: US/10/948,229
; CURRENT FILING DATE: 2004-09-24
; PRIOR APPLICATION NUMBER: CA 2,441,695
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PSP94 family member
US-10-948-229-9
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Query Match 100.0%; Score 97; DB 17; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.6e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EWQTDNCETCTCYET 15  
|||  
Db 1 EWQTDNCETCTCYET 15

RESULT 13  
US-10-948-229-58

; Sequence 58, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Gardé, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 58  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-58

Query Match 100.0%; Score 97; DB 17; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.6e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EWQTDNCETCTCYET 15  
|||  
Db 2 EWQTDNCETCTCYET 16

RESULT 14  
US-11-004-270-9

; Sequence 9, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Gardé, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 9  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Artificial

; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-9

Query Match 100.0%; Score 97; DB 20; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.6e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EWQTDNCETCTCYET 15  
|||  
Db 1 EWQTDNCETCTCYET 15

RESULT 15  
US-11-004-270-58

; Sequence 58, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Gardé, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 58  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-58

Query Match 100.0%; Score 97; DB 20; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.6e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EWQTDNCETCTCYET 15  
|||  
Db 2 EWQTDNCETCTCYET 16

Search completed: July 27, 2005, 20:06:03  
Job time : 28.3091 secs

*This Page Blank (uspto)*

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 27, 2005, 19:08:08 ; Search time 32.8145 Seconds  
(without alignments)  
145.592 Million cell updates/sec

Title: US-09-977-406a-58

Perfect score: 368  
Sequence: 1 EMQDNCETCTCYETETISCC.....YIVVEKDPKKTCSVSEWII 64

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	368	100.0	94	1 US-07-899-535A-1	Sequence 1, Appli
2	368	100.0	114	4 US-09-513-999C-7807	Sequence 7807, Ap
3	144	39.1	28	1 US-07-899-535A-4	Sequence 4, Appli
4	79.5	21.6	1036	4 US-09-949-016-6910	Sequence 6910, Ap
5	79.5	21.6	1049	4 US-09-949-016-11522	Sequence 11522, A
6	67.5	18.3	627	4 US-10-246-658-4	Sequence 4, Appli
7	67.5	18.3	685	4 US-10-246-658-2	Sequence 2, Appli
8	65.5	17.8	550	4 US-09-949-016-11512	Sequence 11512, A
9	64.5	17.5	115	4 US-09-270-767-41534	Sequence 41534, A
10	64.5	17.5	940	2 US-08-938-365-4	Sequence 4, Appli
11	64.5	17.5	941	1 US-08-343-760A-2	Sequence 2, Appli
12	63.5	17.3	293	4 US-09-248-786A-15221	Sequence 15221, A
13	62.5	17.0	113	4 US-09-826-312A-8	Sequence 8, Appli
14	62.5	17.0	113	4 US-09-542-497A-8	Sequence 8, Appli
15	62.5	17.0	218	3 US-08-985-526-1	Sequence 1, Appli
16	62.5	17.0	239	3 PCT-US93-01652-1	Sequence 1, Appli
17	62.5	17.0	441	3 US-08-985-526-3	Sequence 3, Appli
18	62.5	17.0	443	4 US-09-328-352-8124	Sequence 8124, Ap
19	62.5	17.0	1170	1 US-08-313-288B-20	Sequence 20, Appli
20	62.5	17.0	1170	1 US-09-657-472-2	Sequence 2, Appli
21	62	16.8	120	6 5447911-1	Patent No. 5447911
22	62	16.8	120	6 5447911-1	Patent No. 5447911
23	62	16.8	306	4 US-09-489-039A-11260	Sequence 11260, A
24	61	16.6	119	1 US-08-468-347-20	Sequence 20, Appli
25	61	16.6	119	1 US-08-226-264-24	Sequence 24, Appli
26	61	16.6	119	2 US-08-467-389-20	Sequence 20, Appli
27	61	16.6	119	2 US-08-779-379-20	Sequence 20, Appli

28	61	16.6	119	2 US-08-469-219-20	Sequence 20, Appli
29	61	16.6	119	3 US-09-228-152-19	Sequence 19, Appli
30	61	16.6	136	2 US-08-560-098A-59	Sequence 59, Appli
31	61	16.6	136	6 5189019-6	Patent No. 5189019
32	61	16.6	136	6 5189019-6	Patent No. 5189019
33	61	16.6	1121	4 US-08-915-048A-2	Sequence 2, Appli
34	61	16.6	1461	4 US-10-142-231-66	Sequence 86, Appli
35	61	16.6	5179	4 US-09-538-092-1258	Sequence 1258, Ap
36	60	16.3	753	3 US-08-942-686-2	Sequence 4251, Ap
37	59.5	16.2	106	4 US-09-543-681A-4251	Sequence 4251, Ap
38	59.5	16.2	129	3 US-08-225-480-5	Sequence 5, Appli
39	59.5	16.2	129	3 US-09-118-445-5	Sequence 11, Appli
40	59	16.0	572	5 PCT-US91-08177-11	Sequence 19, Appli
41	59	16.0	572	5 PCT-US91-08177-19	Sequence 19, Appli
42	59	16.0	574	4 US-09-567-458A-4	Sequence 1112, A
43	59	16.0	1045	4 US-09-949-016-11112	Sequence 19, Appli
44	59	16.0	1172	1 US-08-313-288B-19	Sequence 19, Appli
45	59	16.0	1172	4 US-09-949-016-6333	Sequence 6333, Ap

## ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
; Sequence 1, Application US/07899535A  
; Patent No. 5428011  
; GENERAL INFORMATION:  
; APPLICANT: Sheth, Anil R.  
; APPLICANT: Garde, Seema  
; APPLICANT: Panchal, Chandra J.  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
; TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Mr. George Loud  
; STREET: 2001 Jefferson Davis Highway, Suite 306  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899,535A  
; FILING DATE: 16-JUN-1992  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Loud, George A.  
; REGISTRATION NUMBER: 25,814  
; REFERENCE/DOCKET NUMBER: S&B-A835  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-415-0960  
; TELEFAX: 703-415-0962  
; TELEX: 24 8614  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 94 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
; US-07-899-535A-1

Query Match 100.0%; Score 368; DB 1; Length 94;  
Best Local Similarity 100.0%; Pred. No. 1,26-34;  
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	EMQDNDNECTCTCYETETISCCCTLVSTPGVDKDNCKQRI	FKKEDCKYIVVEKKDPKTKCSYS	60
Db	31	EMQDNDNECTCTCYETETISCCCTLVSTPGVDKDNCKQRI	FKKEDCKYIVVEKKDPKTKCSYS	90
QY	61	EWII	64	
Db	91	EWII	94	

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RESULT 2
US-09-513-999C-7807
; Sequence 7807, Application US/0951399C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J. B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: patent.pm
; SEQ ID NO 7807
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -20...-1
; OTHER INFORMATION: score 9
; OTHER INFORMATION: seq VVIFATFVTLCA/SC
; US-09-513-999C-7807

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Query Match	100.0%;	Score 368;	DB 4;	Length 114;
Best Local Similarity	100.0%;	Pred. No. 1.5e-34;		
Matches	64;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
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Db	51	EMQWDCNCTCTCYETETESCTCTLVSPVGVYDNCNCRIRKEDCKYIVVEKDKPKTKTGSVS	110	
QY	61	EWIT 64		
Db	111	EWIT 114		

RESULT 3  
 US-07-899-535A-4  
 : Sequence 4' Application US/07899535A  
 : Patent No. 5428011  
 :  
 : GENERAL INFORMATION:  
 :  
 : APPLICANT: Sheeth, Anil R.  
 :  
 : APPLICANT: Garde, Seema  
 :  
 : APPLICANT: Panchal, Chandra J.  
 :  
 : TITLE OF INVENTION: Pharmaceutical Preparations For  
 :  
 : TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
 :  
 : NUMBER OF SEQUENCES: 4  
 :  
 : CORRESPONDENCE ADDRESS:  
 :  
 : ADDRESSEE: Mr. George Loud  
 :  
 : STREET: 2001 Jefferson Davis Highway, Suite 306  
 :  
 : CITY: Arlington  
 :  
 : STATE: Virginia  
 :  
 : COUNTRY: U.S.A.  
 :  
 : ZIP: 22202  
 :  
 : COMPUTER READABLE FORM:  
 :  
 : MEDIUM TYPE: Floppy disk  
 :  
 : COMPUTER: IBM PC compatible  
 :  
 : OPERATING SYSTEM: PC-DOS/MS-DOS

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1      SOFTWARE: Patentin Release #1.0, Version #1.25
2      CURRENT APPLICATION DATA:
3      APPLICATION NUMBER: US/07/899,535A
4      FILING DATE: 16-JUN-1992
5      CLASSIFICATION: 514
6      ATTORNEY/AGENT INFORMATION:
7      NAME: Loud, George A.
8      REGISTRATION NUMBER: 25,814
9      REFERENCE/DOCKET NUMBER: SSB-A835
10     TELECOMMUNICATION INFORMATION:
11     TELEPHONE: 703-415-0960
12     TELEFAX: 703-415-0962
13     TELEX: 24 8614
14     INFORMATION FOR SEQ ID NO: 4:
15     SEQUENCE CHARACTERISTICS:
16     LENGTH: 28 amino acids
17     TYPE: amino acid
18     TOPOLOGY: linear
19     MOLECULE TYPE: peptide
20     HYPOTHEetical: NO
21     US-07-899-535A-4

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	Query Match	39.1%; Score 144; DB 1; Length 28;
	Best Local Similarity	100.0%; Pred. No. 8, 9e-10;
Matches	26; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
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Dz	IFKKEDCKTYIVEKDDPKTKCSVSEW	26

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RESULT 4
US-09-949-016-6910
: Sequence 6910, Application US/09949016
: Patent No. 681239
: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: C0001307
: CURRENT APPLICATION NUMBER: US/09/949,016
: CURRENT FILING DATE: 2000-04-14
: PRIOR APPLICATION NUMBER: 60/241,755
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/237,768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231,498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 6910
: LENGTH: 1036
: TYPE: PRT
: ORGANISM: Human
US-09-949-016-6910

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[illegible]

RESULT 5  
US-09-949-016-11522  
; Sequence 11522, Application US/09949016  
; Patent No. 6812339



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? GENERAL INFORMATION:
? APPLICANT: VENTER, J. Craig et al.
? TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
? TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
? FILE REFERENCE: CL001307
? CURRENT APPLICATION NUMBER: US/09/949,016
? CURRENT FILING DATE: 2000-04-14
? PRIOR APPLICATION NUMBER: 60/241,755
? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237,768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 11522
? LENGTH: 1049
? TYPE: PRT
? ORGANISM: Human
US-09-949-016-11522

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	Query Match	21.6%	Score 79.5:	DB 4;	Length 1049;	
	Best Local Similarity	32.3%;	Pred. No. 0.95;			
Matches	21; Conservative	8;	Mismatches	21;	Indels	15; Gaps 4.
Oy	2 WQTONCECTCYETEISC---CTLVSPVPVGDKDNQR-IPKEDCKYIVVEKKDPKK--55  ::  :::                            : :: ::    Db    780 WKPDVTSCICIDSVISCFSESCEPSVS-----CERPVLRKGQCPCPYCIETITPKKV  830 56 TCSVS 60          Db    831 VCHFS 835					

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RESULT 6
US-10-246-658-4
; Sequence 4, Application US/10246658
; Patent No. 6790660
; GENERAL INFORMATION:
; APPLICANT: Yu, Xuanchuan
; APPLICANT: Scoville, John
; APPLICANT: Wilganowski, Nathaniel L.
; APPLICANT: Nguyen, Nghi D.
; TITLE OF INVENTION: No. 6790660e1 Human Klein-like Proteins and Polynucleotides Encod
; FILE REFERENCE: LEX-0376-USA
; CURRENT APPLICATION NUMBER: US/10/246,658
; PRIORITY FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US 60/323,068
; PRIORITY FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 627
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-246-658-4

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Query Match	18.3%	Score 67.5;	DB 4;	length 627;
Best Local Similarity	32.0%	Pred. No. 13;		
Matches	16;	conservative	6;	Mismatches 19;
				Indels 9;
				Gaps 2

  

Oy	5	DNCETCTCTEYEBISCCITLVSTVPVGYDK-----DNCQRIFFKED---CKY	45
		:::::	
Db	254	DNCTACTCRDSTTVVCKRCKSHPGGDDQGGEGCCCECCLLTPVPEDILKYCF	303

RESULT 7  
US-10-246-658-2  
; Sequence 2, Application US/10246658  
; Patent No. 6799660  
; GENERAL INFORMATION:  
; APPLICANT: Yu, Xuanchuan  
; APPLICANT: Scoville, John

```

? APPLICANT: Milgowski, Nathaniel L.
? APPLICANT: Nguyen, Ngh D.
? TITLE OF INVENTION: NO. 6790660el Human Kiellin-Like Proteins and Polynucleotides Enco
? FILE REFERENCE: LEX-0376-USA
? CURRENT APPLICATION NUMBER: US/10/246,658
? CURRENT FILING DATE: 2002-09-18
? PRIOR APPLICATION NUMBER: US 60/323,068
? PRIOR FILING DATE: 2001-09-18
? NUMBER OF SEQ ID NOS: 4
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 2
? LENGTH: 665
? TYPE: PRT
? ORGANISM: homo sapiens
US-10-246-658-2

Query Match      18 3%   Score 67.5;   DB 4;   Length 665;
Best Local Similarity 32.0%;   Pred. No. 14;
Matches 16; Conservative 6; Mismatches 19; Indels 9; Gaps 2;

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**QY**      5DNDETCVCYEETELSCCTLVSTPVGDK-----DNCGRIFPKKED---CKY 45  
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**Db**      254 DNTACTCRDSTVVCRRKCSHPGGCDQGOGCCCECLLRVPPEIDIKVCF 303  
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      RESULT 8
US-09-949-016-11512
; Sequence 11512, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11512
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11512

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Query Match 17.8%; Score 65.5; DB 4; Length 550;  
Best Local Similarity 30.9%; Pred.No. 18;  
Matches 17; Conservative 6; Mismatches 13; Indels 19; Gaps 3

Oy 5 DNCETCTCY--ETTISCTCTVSTPGVDKDCNGCRIFKKEDCKIYVEKKDPRKTC 57  
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291 DPICSTCHGSEPMCAVALCEROG-----RKDPCECC 328  
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RESULT 9
US-09-270-767-41534
; Sequence 41534, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homurger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 41534
; LENGTH: 115

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TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-09-270-767-41534

Query Match 17.5%; Score 64.5; DB 4; Length 115;  
Best Local Similarity 27.3%; Pred. No. 4.4;  
Matches 18; Conservative 10; Mismatches 27; Indels 11; Gaps 4;

QY 1 EMQDNCETCTCTETETISCTLVSTPVGYDKNC-----QRIFKEDC--KY-IIVEKK 51  
DB 35 KMKDKCTECQCSKSKKTTC--VEKKQVEENICAGRYPTIVSVDCCPRYKCPETK 92  
QY 52 DPKKTC 57  
DB 93 DPKKTC 98

RESULT 10  
US-08-938-365-4  
Sequence 4, Application US/08938365  
Patent No. 5989909  
GENERAL INFORMATION:  
APPLICANT: Yang, Pan  
TITLE OF INVENTION: HUCHORDIN AND USES THEREOF  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/938.365  
FILING DATE: 26-SEP-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Meiklejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: 09404/040001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/542-5070  
TELEFAX: 617/542-8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 940 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-938-365-4

Query Match 17.5%; Score 64.5; DB 2; Length 940;  
Best Local Similarity 25.9%; Pred. No. 43;  
Matches 15; Conservative 11; Mismatches 23; Indels 9; Gaps 3;

QY 2 WORD---NCETCTCTETETISCTLVSTPVGYDKNC-QRIFKEDCKYIIVEKKDPK 55  
DB 705 WAPDYRKCSVCSCQKRTVICDPVCPPL-----NCSQVHLDPQCCPVCEKKEKME 757

RESULT 11  
US-08-343-760A-2  
Sequence 2, Application US/08343760A  
Patent No. 5679783

GENERAL INFORMATION:  
APPLICANT: De Robertis, Edward M  
APPLICANT: Sasaki, Yoshiki  
TITLE OF INVENTION: Tissue Differentiation Affecting  
TITLE OF INVENTION: Factor and Composition  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Majestic, Parsons, Siebert & Haue  
STREET: Four Embarcadero Center, Suite 1450  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/343,760A  
FILING DATE: 22-NOV-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Siebert, J. Suzanne  
REGISTRATION NUMBER: 28,758  
REFERENCE/DOCKET NUMBER: 3100.1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 363-5556  
TELEFAX: (415) 362-5418  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 941 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-343-760A-2

Query Match 17.5%; Score 64.5; DB 1; Length 941;  
Best Local Similarity 25.9%; Pred. No. 43;  
Matches 15; Conservative 11; Mismatches 23; Indels 9; Gaps 3;

QY 2 WORD---NCETCTCTETETISCTLVSTPVGYDKNC-QRIFKEDCKYIIVEKKDPK 55  
DB 706 WAPDYRKCSVCSCQKRTVICDPVCPPL-----NCSQVHLDPQCCPVCEKKEKME 758

RESULT 12  
US-09-248-796A-15221  
Sequence 15221, Application US/09248796A  
Patent No. 6747137  
GENERAL INFORMATION:  
APPLICANT: Keith Weinstein et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS  
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.132  
CURRENT APPLICATION NUMBER: US/09/248,796A  
CURRENT FILING DATE: 1999-02-12  
PRIOR APPLICATION NUMBER: US 60/074,725  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: US 60/096,409  
PRIOR FILING DATE: 1998-08-13  
NUMBER OF SEQ ID NOS: 28208  
SEQ ID NO 15221  
LENGTH: 293  
TYPE: PRT  
ORGANISM: Candida albicans  
US-09-248-796A-15221

Query Match 17.3%; Score 63.5; DB 4; Length 293;  
Best Local Similarity 41.7%; Pred. No. 16;  
Matches 15; Conservative 3; Mismatches 9; Indels 9; Gaps 2;

OY 5 DNCETCTCYETETISCTLVSTPVGDKDNCGRIFKK 40  
DB 266 DNC-----LQTKCTTVER--GYEKDMMVWVIRK 292

RESULT 13  
US-09-826-312A-8  
; Sequence 8, Application US/09826312A  
; Patent No. 6737244  
; GENERAL INFORMATION:  
; APPLICANT: Issakani, Sarkiz D.  
; APPLICANT: Huang, Jianing  
; APPLICANT: Shuang, Julie  
; APPLICANT: Pray, Todd R.  
; APPLICANT: Rigel Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Ubiquitin Ligase Assay  
; FILE REFERENCE: 021044-007010US  
; CURRENT APPLICATION NUMBER: US/09/826,312A  
; PRIOR APPLICATION NUMBER: 2001-04-03  
; PRIOR FILING DATE: 2000-04-03  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 8  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: RING finger protein ROC2  
US-09-826-312A-8

Query Match 17.0%; Score 62.5; DB 4; Length 113;  
Best Local Similarity 25.4%; Pred. No. 7.2;  
Matches 16; Conservative 7; Mismatches 29; Indels 11; Gaps 2;  
OY 2 WQTD-NCETCTCYETETISCTLVSTPVGDKDNCGRIFKKEDCKTIYVEKKDPKKTCSVS 60  
DB 41 MSWDECDTCALCRVQVMDACL-----RCQAKNKQEDCVVWGBSCNHSFHNCCMS 90  
OY 61 EMI 63  
DB 91 LMV 93

RESULT 14  
US-09-542-497A-8  
; Sequence 8, Application US/09542497A  
; Patent No. 6740495  
; GENERAL INFORMATION:  
; APPLICANT: Issakani, Sarkiz D.  
; APPLICANT: Huang, Jianing  
; APPLICANT: Shuang, Julie  
; TITLE OF INVENTION: Ubiquitin Ligase Assay  
; FILE REFERENCE: A-68613/RMS/JUD  
; CURRENT APPLICATION NUMBER: US/09/542,497A  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 8  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-542-497A-8

Query Match 17.0%; Score 62.5; DB 4; Length 113;  
Best Local Similarity 25.4%; Pred. No. 7.2;  
Matches 16; Conservative 7; Mismatches 29; Indels 11; Gaps 2;  
OY 2 WQTD-NCETCTCYETETISCTLVSTPVGDKDNCGRIFKKEDCKTIYVEKKDPKKTCSVS 60  
DB 41 MSWDECDTCALCRVQVMDACL-----RCQAKNKQEDCVVWGBSCNHSFHNCCMS 90  
OY 61 EMI 63

DB 91 LMV 93

RESULT 15  
US-08-985-526-1  
; Sequence 1, Application US/08985526  
; Patent No. 6080728  
; GENERAL INFORMATION:  
; APPLICANT: Mixson, James A  
; TITLE OF INVENTION: CARRIER-DNA COMPLEXES CONTAINING DNA  
; TITLE OF INVENTION: ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE  
; TITLE OF INVENTION: THERAPY  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Connolly, Bove, Lodge, & Hutz  
; STREET: 1220 Market Street, P.O. Box 2207  
; CITY: Wilmington  
; STATE: Delaware  
; COUNTRY: U.S.A.  
; ZIP: 19899  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/985,526  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/608,845  
; FILING DATE: 16-JUL-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McMorrow Jr., Robert G  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (302) 658-9141  
; TELEFAX: (302) 658-5613  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 218 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-985-526-1

Query Match 17.0%; Score 62.5; DB 3; Length 218;  
Best Local Similarity 37.0%; Pred. No. 15;  
Matches 10; Conservative 5; Mismatches 11; Indels 1; Gaps 1;  
OY 1 EMQTDNCETCTCYETETISCTLVSTPV 27  
DB 30 EMTVDSCTECHC-QNSVTICKVSCPI 55

Search completed: July 27, 2005, 19:28:40  
Job time : 33.8145 secs

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## OM protein - protein search, using SW model

Run on: July 27, 2005, 19:20:53 ; Search time 120.785 Seconds

(without alignments)  
206.113 Million cell updates/sec

Title: US-09-977-406a-58

Perfect score: 368  
Sequence: 1 EMQDNCETCTCYETETISCC.....YIVVEKDKPKKTCVSEWII 64Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1741741 seqs, 388992284 residues

Total number of hits satisfying chosen parameters: 1741741

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

## Database : Published Applications\_AA:\*

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2: /cgn2_6/ptodata/1/pubpaa/FCI_NEW_PUB.pep:*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09C_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
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20: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep:*
21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	368	100.0	64	10	US-09-977-406a-58
2	368	100.0	64	17	US-10-948-229-57
3	368	100.0	64	20	US-11-004-270-57
4	368	100.0	64	20	US-11-004-273-57
5	368	100.0	94	10	US-09-977-406a-1
6	368	100.0	94	14	US-10-291-360-1
7	368	100.0	94	17	US-10-857-358-1
8	368	100.0	94	17	US-10-948-229-1
9	368	100.0	94	20	US-11-004-270-1
10	368	100.0	94	20	US-11-004-273-1
11	368	100.0	102	10	US-09-977-406a-2

12	368	100.0	102	14	US-10-291-360-2	Sequence 2, Appli
13	368	100.0	102	17	US-10-857-358-2	Sequence 2, Appli
14	368	100.0	102	17	US-10-948-229-2	Sequence 2, Appli
15	368	100.0	102	20	US-11-004-270-2	Sequence 2, Appli
16	368	100.0	102	20	US-11-004-273-2	Sequence 2, Appli
17	368	100.0	114	13	US-10-012-896-1003	Sequence 1003, Ap
18	368	100.0	114	14	US-10-205-823-271	Sequence 271, App
19	368	100.0	114	14	US-10-144-678a-1003	Sequence 1003, Ap
20	368	100.0	114	14	US-10-294-025-1003	Sequence 236, App
21	368	100.0	114	15	US-10-291-172-236	Sequence 236, App
22	368	100.0	114	15	US-10-221-278-236	Sequence 532, App
23	368	100.0	114	16	US-10-408-765a-532	Sequence 272a56,
24	368	100.0	118	16	US-10-425-115-272486	Sequence 1027, Ap
25	368	100.0	132	9	US-09-925-300-1027	Sequence 57, Appl
26	364	98.9	63	10	US-09-977-406a-57	Sequence 56, Appl
27	364	98.9	63	17	US-10-948-229-55	Sequence 56, Appl
28	364	98.9	63	20	US-11-004-270-56	Sequence 56, Appl
29	364	98.9	63	20	US-11-004-273-56	Sequence 56, Appl
30	360	97.8	62	10	US-09-977-406a-56	Sequence 55, Appl
31	360	97.8	62	17	US-10-948-229-55	Sequence 55, Appl
32	360	97.8	62	20	US-11-004-270-55	Sequence 55, Appl
33	360	97.8	62	20	US-11-004-273-55	Sequence 55, Appl
34	349	94.8	61	10	US-09-977-406a-55	Sequence 54, Appl
35	349	94.8	61	17	US-10-948-229-54	Sequence 54, Appl
36	349	94.8	61	20	US-11-004-270-54	Sequence 54, Appl
37	349	94.8	61	20	US-11-004-273-54	Sequence 54, Appl
38	344	93.5	60	10	US-09-977-406a-54	Sequence 53, Appl
39	344	93.5	60	17	US-10-948-229-53	Sequence 53, Appl
40	344	93.5	60	20	US-11-004-270-53	Sequence 53, Appl
41	344	93.5	60	20	US-11-004-273-53	Sequence 53, Appl
42	340	92.4	59	10	US-09-977-406a-53	Sequence 52, Appl
43	340	92.4	59	17	US-10-948-229-52	Sequence 52, Appl
44	340	92.4	59	20	US-11-004-270-52	Sequence 52, Appl
45	340	92.4	59	20	US-11-004-273-52	Sequence 52, Appl

## ALIGNMENTS

```
RESULT 1
US-09-977-406a-58
; Sequence 58, Application US/09977406A
; Publication No. US20030170220A1
; GENERAL INFORMATION:
; APPLICANT: PROCON BIOPHARMA INC.
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS
; FILE REFERENCE: 06508-030-US-03
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: CA 2,321,256
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: CA 2,355,334
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide derived from rHspSP94 sequence (polypeptide analog)
US-09-977-406a-58
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Query Match      100.0%; Score 368; DB 10; Length 64;
Best Local Similarity 100.0%; Pred. No. 1.7e-33;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 EMQDNCETCTCYETETISCCITVSTPVGYDNDNCORIFKEDCKYIVVEKDKPKKTCVSVS 60
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DB      1 EMQDNCETCTCYETETISCCITVSTPVGYDNDNCORIFKEDCKYIVVEKDKPKKTCVSVS 60
      |||||
QY      61 EWII 64
      |||||
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Db 61 EWI 64

## RESULT 2

US-10-948-229-57  
Sequence 57, Application US/10948229  
Publication No. US20050096273A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
FILE REFERENCE: BRP-022  
CURRENT APPLICATION NUMBER: US/10/948,229  
CURRENT FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 91  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 57  
LENGTH: 64  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: PSP94 family member  
US-10-948-229-57

Query Match 100.0%; Score 368; DB 17; Length 64;

Best Local Similarity 100.0%; Pred. No. 1,7e-33; Mismatches 0; Indels 0; Gaps 0;

Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCQRIFFKEDCKYIVVEKKDPKKTCSVS 60

Db 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCQRIFFKEDCKYIVVEKKDPKKTCSVS 60

Qy 61 EWI 64

Db 61 EWI 64

## RESULT 3

US-11-004-270-57  
Sequence 57, Application US/11004270  
Publication No. US20050147601A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Bellevue, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane  
APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeghrane, Mounia  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
FILE REFERENCE: BRP-020  
CURRENT APPLICATION NUMBER: US/11/004,270  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 57  
LENGTH: 64  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PCK3145 derivative

US-11-004-270-57

Query Match 100.0%; Score 368; DB 20; Length 64;

Best Local Similarity 100.0%; Pred. No. 1,7e-33; Mismatches 0; Indels 0; Gaps 0;

Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCQRIFFKEDCKYIVVEKKDPKKTCSVS 60

Db 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCQRIFFKEDCKYIVVEKKDPKKTCSVS 60

Qy 61 EWI 64

Db 61 EWI 64

## RESULT 4

US-11-004-273-57  
Sequence 57, Application US/11004273  
Publication No. US20050148514A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Bellevue, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane  
APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeghrane, Mounia  
APPLICANT: Daigneault, Luc  
TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
FILE REFERENCE: BRP-021  
CURRENT APPLICATION NUMBER: US/11/004,273  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 57  
LENGTH: 64  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-57

Query Match 100.0%; Score 368; DB 20; Length 64;

Best Local Similarity 100.0%; Pred. No. 1,7e-33; Mismatches 0; Indels 0; Gaps 0;

Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCQRIFFKEDCKYIVVEKKDPKKTCSVS 60

Db 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCQRIFFKEDCKYIVVEKKDPKKTCSVS 60

Qy 61 EWI 64

Db 61 EWI 64

## RESULT 5

US-09-977-406a-1  
Sequence 1, Application US/09977406A  
Publication No. US20030170220A1  
GENERAL INFORMATION:  
APPLICANT: PROCTON BIOPHARMA INC.  
TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
FILE REFERENCE: 06508-030-US-03  
CURRENT APPLICATION NUMBER: US/09/977,406A  
CURRENT FILING DATE: 2001-10-15  
PRIOR APPLICATION NUMBER: CA 2,321,256  
PRIOR FILING DATE: 2000-10-16

PRIOR APPLICATION NUMBER: CA 2,355,334  
PRIOR FILING DATE: 2001-08-20  
NUMBER OF SEQ ID NOS: 92  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Ulvback, M., Lindstrom, C., Welber, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundvall, A.  
TITLE: Molecular cloning of a small prostate protein, known as beta-  
TITLE: microsemenoprotein, PSP94 or beta-inhibin, and demonstration of transcripts  
TITLE: non-genital tissues.  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-09-977-406A-1

Query Match 100.0%; Score 368; DB 10; Length 94;  
Best Local Similarity 100.0%; Pred. No. 2,6e-33;  
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMOTDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 60  
Db 31 EMOTDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 90  
Qy 61 EWII 64  
Db 91 EWII 94

RESULT 6  
US-10-291-360-1  
Sequence 1, Application US/10291360  
Publication No. US20030119744A1  
GENERAL INFORMATION:  
APPLICANT: PROCTON BIOPHARMA INC.  
TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
FILE REFERENCE: 06508-051-US-02  
CURRENT APPLICATION NUMBER: US/10/291,360  
CURRENT FILING DATE: 2002-11-08  
PRIOR APPLICATION NUMBER: CA 2,361,736  
PRIOR FILING DATE: 2001-11-08  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Ulvback, M., Lindstrom, C., Welber, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundvall, A.  
TITLE: Molecular cloning of a small prostate protein, known as beta-  
TITLE: microsemenoprotein, PSP94 or beta-inhibin, and demonstration of transcripts  
TITLE: non-genital tissues.  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-10-291-360-1

Query Match 100.0%; Score 368; DB 14; Length 94;  
Best Local Similarity 100.0%; Pred. No. 2,6e-33;  
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 31 EMOTDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 90  
Qy 61 EWII 64  
Db 91 EWII 94

RESULT 7  
US-10-857-358-1  
Sequence 1, Application US/10857358  
Publication No. US20050026833A1  
GENERAL INFORMATION:  
APPLICANT: PROCTON BIOPHARMA INC.  
TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
FILE REFERENCE: 06508-153  
CURRENT APPLICATION NUMBER: US/10/857,358  
CURRENT FILING DATE: 2004-06-01  
PRIOR APPLICATION NUMBER: CA 2,361,736  
PRIOR FILING DATE: 2001-11-08  
PRIOR APPLICATION NUMBER: US 10/291,360  
PRIOR FILING DATE: 2002-11-08  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Ulvback, M., Lindstrom, C., Welber, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundvall, A.  
TITLE: Molecular cloning of a small prostate protein, known as beta-  
TITLE: microsemenoprotein, PSP94 or beta-inhibin, and demonstration of transcripts  
TITLE: non-genital tissues.  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-10-857-358-1

Query Match 100.0%; Score 368; DB 17; Length 94;  
Best Local Similarity 100.0%; Pred. No. 2,6e-33;  
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMOTDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 60  
Db 31 EMOTDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 90

Qy 61 EWII 64  
Db 91 EWII 94

RESULT 8  
US-10-948-229-1  
Sequence 1, Application US/10948229  
Publication No. US20050096273A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
FILE REFERENCE: BRP-022  
CURRENT APPLICATION NUMBER: US/10/948,229  
CURRENT FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26

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; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: PatentIn version 3.3.3
; SEQ ID NO 1
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-948-229-1

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Query Match	100.0%;	Score 368;	DB 17;	Length 94;
Best Local Similarity	100.0%;	Pred. No. 2.6e-33;		
Matches 64;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY 1 EMQTNCETCTCYETEISCCCLVSTPVGYDKDNQRIFKKEDCKRIVEKKDPKTCSSVS 60  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 31 EMQTNCETCTCYETEISCCCLVSTPVGYDKDNQRIFKKEDCKRIVEKKDPKTCSSVS 90

QY	61	EWII	64
Db	91	EWII	94

RESULT 9  
US-11-004-270-1

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Sequence 1, Application US/11004270
Publication No. US20050147601A1
GENERAL INFORMATION:
APPLICANT: Panchal, Chandra J.
APPLICANT: Wu, Jinzi
APPLICANT: Bellevue, Richard
APPLICANT: Ruiz, Marcia
APPLICANT: Garde, Seema
APPLICANT: Annabi, Borhane
APPLICANT: Lamy, Sylvie
APPLICANT: Bouzeghrane, Mounia
APPLICANT: Daigneault, Luc
TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION
FILE REFERENCE: BKP-020
CURRENT APPLICATION NUMBER: US/11/004,270
CURRENT FILING DATE: 2004-12-02
PRIOR APPLICATION NUMBER: US 10/948,229
PRIOR FILING DATE: 2004-09-24
PRIOR APPLICATION NUMBER: CA 2,441,695
PRIOR FILING DATE: 2003-09-26
NUMBER OF SEQ ID NOS: 99
SOFTWARE: PatentIn version 3.3
SEQ ID NO 1
LENGTH: 94
TYPE: PRT
ORGANISM: Homo sapiens
US-11-004-270-1

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Query Match	100.0%;	Score 368;	DB 20;	Length 94;
Best Local Similarity	100.0%;	Pred. No. 2.6e-33;		
Matches	64;	Conservative	0;	Mismatches 0;
				Indels 0;
				Gaps 0;

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        |||||
Db      31 EMQTDNNEETCTCYETEISCCTLVSTPVGDKDNCRIFPKEDCKYIWEKDKPKKITSVS 90C
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QY	61	EWII	64
Db	91	EWII	94

RESULT 10  
US-11-004-273-1

```

; Sequence 1, Application US/11004273
; Publication No. US20050148514A1
;
; GENERAL INFORMATION:
;
; APPLICANT: Panchal, Chandra J.
; APPLICANT: Wu, Jinzi
; APPLICANT: Beliveau, Richard

```

```

      APPLICANT: Ruiz, Marcia
      APPLICANT: Garde, Seema
      APPLICANT: Annabi, Borhane
      APPLICANT: Lamy, Sylvie
      APPLICANT: Bouzeghrane, Mounia
      APPLICANT: Daigneault, Luc
      APPLICANT: Hawkins, Robert
      TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS
      FILE REFERENCE: BKP-021
      CURRENT APPLICATION NUMBER: US/11/004,273
      CURRENT FILING DATE: 2004-12-02
      PRIOR APPLICATION NUMBER: US 10/948,229
      PRIOR FILING DATE: 2004-09-24
      PRIOR APPLICATION NUMBER: CA 2,441,695
      PRIOR FILING DATE: 2003-09-26
      NUMBER OF SEQ ID NOS: 99
      SOFTWARE: PatentIn version 3.3
      SEQ ID NO 1
      LENGTH: 94
      TYPE: PRT
      ORGANISM: Homo sapiens
US-11-004-273-1

Query March 100.0%; Score 368; DB 20; Length 94;
Best Local Similarity 100.0%; Prd. No. 2.6e-33;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0

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QY 1 EMQTNCELTCTCYETETISCCCLIVSTPYGYDKNCGRIFPKKEDCKYIVVEKKDPKKTCSVS 600  
DB 31 EMQTNCELTCTCYETETISCCCLIVSTPYGYDKNCGRIFPKKEDCKYIVVEKKDPKKTCSVS 900

QY	61	EWII	64
Db	91	EWII	94

RESULT 11  
US-09-977-406A-2

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Sequence 2, Application US/09/977406A
Publication No. US2003017020A1
GENERAL INFORMATION:
APPLICANT: PROCYON BIOPHARMA INC.
TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS
FILE REFERENCE: 06508-030-US-03
CURRENT APPLICATION NUMBER: US/09/977.406A
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: CA 2,321,256
PRIOR FILING DATE: 2000-10-16
PRIOR APPLICATION NUMBER: CA 2,355,334
PRIOR FILING DATE: 2001-08-20
NUMBER OF SEQ ID NOS: 92
SOFTWARE: PatentIn version 3.1

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; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence

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OTHER INFORMATION: recombinant human PSP94 (rHuPSP94) produced from yeast  
US-09-977-406A-2

Query Match	100.0%	Score 368; DB 10	Length 102;
Best Local Similarity	100.0%	Pred. No. 2, 8e-33;	
Matches 64; Conservative	0;	Mismatches 0;	Indels 0; Gaps 0

Db 39 ENQTDNCEACTCYETETISCCLTAVTPGVGDKDNCRI FKEDCKYIVVEKDPKTCVS 96

Qy	61	EWI	64
Db	99	EWI	102



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RESULT 12
US-10-291-360-2
; Sequence 2, Application US/10291360
; Publication No. US20030119744A1
; GENERAL INFORMATION:
; APPLICANT: PROCCON BIOPHARMA INC.
; TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis
; FILE REFERENCE: 06508-051-US-02
; CURRENT FILING DATE: 2002-11-08
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: CA 2,361,736
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: recombinant human PSP94 (rHbPSP94) produced from yeast
US-10-291-360-2

Query Match
Best Local Similarity 100.0%; Score 368; DB 14; Length 102;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 60
Db 39 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 98
Qy 61 EMI 64
Db 99 EMI 102

RESULT 13
US-10-857-358-2
; Sequence 2, Application US/10857358
; Publication No. US20050026833A1
; GENERAL INFORMATION:
; APPLICANT: PROCCON BIOPHARMA INC.
; TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis
; FILE REFERENCE: 06508-153
; CURRENT FILING DATE: 2004-06-01
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: CA 2,361,736
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 10/291,360
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: recombinant human PSP94 (rHbPSP94) produced from yeast
US-10-857-358-2

Query Match
Best Local Similarity 100.0%; Score 368; DB 17; Length 102;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 60
Db 39 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 98
Qy 61 EMI 64
Db 99 EMI 102

RESULT 14
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US-10-948-229-2
; Sequence 2, Application US/10948229
; Publication No. US20050096273A1
; GENERAL INFORMATION:
; APPLICANT: Panchal, Chandra J
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; APPLICANT: Ruiz, Marcia
; APPLICANT: Garde, Seema
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS
; FILE REFERENCE: BKP-022
; CURRENT FILING DATE: 2004-09-24
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PSP94 family member
US-10-948-229-2

Query Match
Best Local Similarity 100.0%; Score 368; DB 17; Length 102;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 60
Db 39 EMQDNCETCTCYETETISCTLVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKKTCSVS 98
Qy 61 EMI 64
Db 99 EMI 102

RESULT 15
US-11-004-270-2
; Sequence 2, Application US/11004270
; Publication No. US20050147601A1
; GENERAL INFORMATION:
; APPLICANT: Panchal, Chandra J.
; APPLICANT: Wu, Jinzi
; APPLICANT: Beliveau, Richard
; APPLICANT: Ruiz, Marcia
; APPLICANT: Garde, Seema
; APPLICANT: Annabi, Borhane
; APPLICANT: Lamy, Sylvie
; APPLICANT: Bouzeghrane, Mounia
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION
; FILE REFERENCE: BKP-020
; CURRENT FILING DATE: 2004-12-02
; PRIOR FILING DATE: 2004-09-24
; PRIOR APPLICATION NUMBER: US 10/948,229
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: PSP94 family member
US-11-004-270-2

Query Match
Best Local Similarity 100.0%; Score 368; DB 20; Length 102;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Matches	64;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	1	EMQTDNCETCTCYETETISCTLVSTPVGYDKNCQRIFKKEDCKYIVVEKKDPKKTCSVS	60						
Db	39	EMQTDNCETCTCYETETISCTLVSTPVGYDKNCQRIFKKEDCKYIVVEKKDPKKTCSVS	98						
Qy	61	EWII 64							
Db	99	EWII 102							

Search completed: July 27, 2005, 20:06:04  
Job time : 121.785 secs

GenCore version 5.1.6  
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## OM protein - protein search, using SW model

Run on: July 27, 2005, 19:08:08 ; Search time 8.20364 Seconds  
(without alignments)  
145.592 Million cell updates/sec

Title: US-09-977-406A-59  
Perfect score: 101  
Sequence: 1 SEMQDNCETCTCYET 16

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PTUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	101	100.0	94	1	US-07-899-535A-1
2	101	100.0	114	4	US-09-513-999C-7807
3	52	51.5	1045	4	US-09-949-016-11112
4	52	51.5	1172	1	US-08-313-288B-19
5	52	51.5	1172	4	US-09-949-016-6333
6	50	48.5	466	3	US-09-724-864-44
7	49	48.5	1036	4	US-09-949-016-6910
8	49	48.5	1049	4	US-09-949-016-11522
9	47	46.5	164	4	US-09-907-794A-12
10	47	46.5	164	4	US-09-905-125A-12
11	47	46.5	164	4	US-09-902-775A-12
12	47	46.5	164	4	US-09-906-700-12
13	47	46.5	164	4	US-09-903-603A-12
14	47	46.5	164	4	US-09-904-920A-12
15	47	46.5	164	4	US-09-909-064-12
16	47	46.5	164	4	US-09-905-381A-12
17	47	46.5	164	4	US-09-906-618-12
18	46	45.5	9	3	US-08-481-968A-24
19	46	45.5	9	3	US-08-154-712B-24
20	46	45.5	9	4	US-09-947-925A-24
21	45	44.6	162	4	US-09-270-767-41212
22	45	44.6	162	4	US-09-270-767-56428
23	45	44.6	239	5	PCT-US93-01652-1
24	45	44.6	306	4	US-09-489-039A-11260
25	45	44.6	441	3	US-08-985-526-3
26	45	44.6	627	4	US-10-246-658-4
27					

28	45	44.6	685	4	US-10-246-658-2	Sequence 2, Appli
29	45	44.6	1170	1	US-08-313-288B-20	Sequence 20, Appl
30	45	44.6	1170	4	US-09-657-472-2	Sequence 2, Appli
31	44.5	44.1	290	4	US-09-543-681A-6461	Sequence 6461, Ap
32	44.5	44.1	1052	2	US-08-852-806-2	Sequence 2, Appli
33	44.5	44.1	1052	3	US-09-163-669-2	Sequence 2, Appli
34	43	42.6	57	4	US-09-270-767-60104	Sequence 60104, A
35	43	42.6	90	4	US-09-513-999C-5586	Sequence 5586, Ap
36	43	42.6	156	4	US-09-270-767-44651	Sequence 44651, A
37	43	42.6	376	4	US-09-496-005-1	Sequence 1, Appli
38	43	42.6	421	1	US-09-806-536A-11	Sequence 11, Appl
39	42.5	42.1	273	1	US-08-152-019A-30	Sequence 30, Appl
40	42	41.6	115	4	US-09-270-767-41534	Sequence 41534, A
41	42	41.6	143	4	US-09-270-767-35811	Sequence 35811, A
42	42	41.6	143	4	US-09-270-767-51028	Sequence 51028, A
43	42	41.6	201	4	US-09-270-767-58661	Sequence 58661, A
44	42	41.6	437	3	US-09-073-569-2	Sequence 2, Appli
45	42	41.6	437	4	US-09-830-189C-2	Sequence 2, Appli

## ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
; Sequence 1, Application US/07899535A  
; Patent No. 5428011  
; GENERAL INFORMATION:  
; APPLICANT: Sheth, Anil R.  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: Panchnal, Chandra J.  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Mr. George Loud  
; STREET: 2001 Jefferson Davis Highway, Suite 306  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899, 535A  
; FILING DATE: 16-JUN-1992  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Loud, George A.  
; REGISTRATION NUMBER: 25, 814  
; REFERENCE/DOCKET NUMBER: S&B-A835  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-415-0960  
; TELEFAX: 703-415-0962  
; TELEX: 24 8614  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 94 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: Protein  
; HYPOTHEICAL: NO  
; US-07-899-535A-1

Query Match 100.0%; Score 101; DB 1; Length 94;  
Best Local Similarity 100.0%; Pred. No. 1.4e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



SEQ ID NO 6333  
LENGTH: 1172  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-6333

Query Match 51.5% Score 52; DB 4; Length 1172;  
Best Local Similarity 63.6% Pred. No. 45;  
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 3 WQDNCCTCTC 13  
Db 333 WVDSCCTTCT 343

RESULT 6  
US-09-724-864-44  
Sequence 44, Application US/09724864  
Patent No. 6380362  
GENERAL INFORMATION:  
APPLICANT: Watson, James D  
APPLICANT: Watson, James G  
TITLE OF INVENTION: Polynucleotides, polypeptides expressed  
FILE REFERENCE: 11000.105001  
CURRENT FILING DATE: 2000-11-28  
PRIOR FILING DATE: 1999-12-23  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 44  
LENGTH: 466  
TYPE: PRT  
ORGANISM: Mouse  
US-09-724-864-44

Query Match 49.5% Score 50; DB 3; Length 466;  
Best Local Similarity 70.0% Pred. No. 34;  
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 DNCCTCTCTC 15  
Db 119 DNCNCTCTCH 128

RESULT 7  
US-09-949-016-6910  
Sequence 6910, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CL001307  
CURRENT FILING DATE: US/09/949,016  
PRIOR FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 6910  
LENGTH: 1036  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-6910

Query Match 48.5% Score 49; DB 4; Length 1036;  
Best Local Similarity 50.0% Pred. No. 1e+02;

Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;  
QY 3 WQDNCCTCTCY 14  
Db 693 WNDSCCTCTCTCH 704

RESULT 8  
US-09-949-016-11522  
Sequence 11522, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CL001307  
CURRENT FILING DATE: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 11522  
LENGTH: 1049  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-11522

Query Match 48.5% Score 49; DB 4; Length 1049;  
Best Local Similarity 50.0% Pred. No. 1e+02;  
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 3 WQDNCCTCTCTCY 14  
Db 706 WNDSCCTCTCTCH 717

RESULT 9  
US-09-907-794A-12  
Sequence 12, Application US/09907794A  
Patent No. 6635468  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Flivarov, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary B.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
Acids Encoding the Same

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FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 12
LENGTH: 164
TYPE: PRT
ORGANISM: Homo sapiens
US-09-907-794A-12

Query Match          46.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 32;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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RESULT 10
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Sequence 12, Application US/09905125A
Patent No. 6664376
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
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APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mathew, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OR INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,125A
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
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LENGTH: 164
TYPE: PRT
ORGANISM: Homo sapiens
US-09-905-125A-12

Query Match          46.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 32;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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            120 DNCNRCTCQE 129
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Sequence 12, Application US/09902775A
Patent No. 6686451
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
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APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/902,775A  
PRIOR FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
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PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
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PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 12  
LENGTH: 164  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-902-775A-12

Query Match 46.5% Score 47; DB 4; Length 164;  
Best Local Similarity 70.0% Pred. No. 32;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
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Db 120 DNCNCTCQE 129  
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US-09-906-700-12  
Sequence 12, Application US/09906700  
Patent No. 6723535  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/906,700  
PRIOR FILING DATE: 2000-09-18  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
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PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
PRIOR FILING DATE: 2000-01-05

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; NUMBER OF SEQ ID NOS: 423
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; LENGTH: 164
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; ORGANISM: Homo sapiens
US-09-906-700-12

Query Match      46.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 32;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db      120 DNCNRCCTCQE 129

RESULT 13
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; Sequence 12, Application US/09903603A
; Patent No. 6767995
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: GNE 1618P2C12
; CURRENT APPLICATION NUMBER: US/09/903,603A
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
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; PRIOR APPLICATION NUMBER: PCT/US99/28564
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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 12
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-903-603A-12

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Best Local Similarity 70.0%; Pred. No. 32;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db      120 DNCNRCCTCQE 129

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; Patent No. 6806352
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,920A
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
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; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
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; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
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; LENGTH: 164
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-904-920A-12
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Query Match          46.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 32;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Db      120 DNCNRCCTCQE 129
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; Patent No. 6818449
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; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Grimaldi, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
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; CURRENT APPLICATION NUMBER: US/09/909, 064
; CURRENT FILING DATE: 2001-07-18
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; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143, 048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145, 698
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; PRIOR APPLICATION NUMBER: US 60/146, 222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
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; PRIOR FILING DATE: 2000-01-05
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; ORGANISM: Homo sapiens
US-09-909-064-12
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Query Match          46.5%; Score 47; DB 4; Length 164;
Best Local Similarity 70.0%; Pred. No. 32;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Db      120 DNCNRCCTCQE 129
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GenCore version 5.1.6  
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OM protein - protein search, using SW model

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(without alignments)  
206.113 Million cell updates/sec

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3	101	100.0	16	US-11-004-270-58	Sequence 58, Appl
4	101	100.0	16	US-11-004-273-58	Sequence 58, Appl
5	101	100.0	17	US-09-977-406A-60	Sequence 60, Appl
6	101	100.0	17	US-10-948-229-59	Sequence 59, Appl
7	101	100.0	17	US-11-004-270-59	Sequence 59, Appl
8	101	100.0	17	US-11-004-273-59	Sequence 59, Appl
9	101	100.0	18	US-09-977-406A-61	Sequence 61, Appl
10	101	100.0	18	US-10-948-229-60	Sequence 60, Appl
11	101	100.0	20	US-11-004-270-60	Sequence 60, Appl

12	101	100.0	18	US-11-004-273-60	Sequence 60, Appl
13	101	100.0	19	US-09-977-406A-62	Sequence 62, Appl
14	101	100.0	19	US-10-948-229-61	Sequence 61, Appl
15	101	100.0	19	US-11-004-270-61	Sequence 61, Appl
16	101	100.0	19	US-11-004-273-61	Sequence 61, Appl
17	101	100.0	20	US-09-977-406A-63	Sequence 63, Appl
18	101	100.0	20	US-10-948-229-62	Sequence 62, Appl
19	101	100.0	20	US-11-004-270-62	Sequence 62, Appl
20	101	100.0	20	US-11-004-273-62	Sequence 62, Appl
21	101	100.0	21	US-09-977-406A-64	Sequence 64, Appl
22	101	100.0	21	US-10-948-229-63	Sequence 63, Appl
23	101	100.0	21	US-11-004-270-63	Sequence 63, Appl
24	101	100.0	21	US-11-004-273-63	Sequence 63, Appl
25	101	100.0	22	US-09-977-406A-65	Sequence 65, Appl
26	101	100.0	22	US-10-948-229-64	Sequence 64, Appl
27	101	100.0	22	US-11-004-270-64	Sequence 64, Appl
28	101	100.0	22	US-11-004-273-64	Sequence 64, Appl
29	101	100.0	23	US-09-977-406A-66	Sequence 66, Appl
30	101	100.0	23	US-10-948-229-65	Sequence 65, Appl
31	101	100.0	23	US-11-004-270-65	Sequence 65, Appl
32	101	100.0	23	US-11-004-273-65	Sequence 65, Appl
33	101	100.0	24	US-09-977-406A-67	Sequence 67, Appl
34	101	100.0	24	US-10-948-229-66	Sequence 66, Appl
35	101	100.0	24	US-11-004-270-66	Sequence 66, Appl
36	101	100.0	24	US-11-004-273-66	Sequence 66, Appl
37	101	100.0	25	US-09-977-406A-68	Sequence 68, Appl
38	101	100.0	25	US-10-948-229-67	Sequence 67, Appl
39	101	100.0	25	US-11-004-270-67	Sequence 67, Appl
40	101	100.0	25	US-11-004-273-67	Sequence 67, Appl
41	101	100.0	26	US-09-977-406A-69	Sequence 69, Appl
42	101	100.0	26	US-10-948-229-68	Sequence 68, Appl
43	101	100.0	26	US-11-004-270-68	Sequence 68, Appl
44	101	100.0	26	US-11-004-273-68	Sequence 68, Appl
45	101	100.0	27	US-09-977-406A-70	Sequence 70, Appl

## ALIGNMENTS

RESULT 1  
US-09-977-406A-59  
; Sequence 59, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 59  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from rHUPSP94 sequence (polypeptide analog)  
US-09-977-406A-59

Query Match 100.0%; Score 101, DB 10; Length 16;  
Best Local Similarity 100.0%; Pred. No. 1.6e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 SEMQDNCETCTCYET 16  
DB 1 SEMQDNCETCTCYET 16  
RESULT 2

```

US-10-948-229-58
: Sequence 58, Application US/10948229
: Publication No. US20050096273A1
: GENERAL INFORMATION:
: APPLICANT: Panchal, Chandra J
: APPLICANT: Daigneault, Luc
: APPLICANT: Hawkins, Robert
: APPLICANT: Ruiz, Marcia
: APPLICANT: Gard, Seema
: TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS
: FILE REFERENCE: BKP-022
: CURRENT APPLICATION NUMBER: US/10/948,229
: CURRENT FILING DATE: 2004-09-24
: PRIOR APPLICATION NUMBER: CA 2,441,695
: PRIOR FILING DATE: 2003-09-26
: NUMBER OF SEQ ID NOS: 91
: SOFTWARE: Patentin version 3.3
: SEQ ID NO 58
: LENGTH: 16
: TYPE: PRF
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: PSP94 family member
US-10-948-229-58

```

Query Match	100.0%;	Score 101;	DB 17;	Length 16;
Best Local Similarity	100.0%;	Pred. No. 1.6e-06;		
Matches 16;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

```

QY      1  SEWQTDNCETCTCYET  16
         |||||
Db      1  SEWQTDNCETCTCYET  16

```

### RESULT 3

```

US-11-004-270-58
1 Sequence 58, Application US/11004270
2 Publication No. US20050147601A1
3
4 GENERAL INFORMATION:
5 APPLICANT: Panchal, Chandra J.
6 APPLICANT: Wu, Jinzi
7 APPLICANT: Beliveau, Richard
8 APPLICANT: Ruiz, Marcia
9 APPLICANT: Garde, Seema
10 APPLICANT: Amadi, Bothane
11 APPLICANT: Lamy, Sylvie
12 APPLICANT: Bouzeghrane, Mounia
13 APPLICANT: Daigneault, Luc
14 APPLICANT: Hawkins, Robert
15
16 TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION
17
18 FILE REFERENCE: BKR-020
19
20 CURRENT APPLICATION NUMBER: US/11/004,270
21
22 CURRENT FILING DATE: 2004-12-02
23
24 PRIOR APPLICATION NUMBER: US 10/948,229
25
26 PRIOR FILING DATE: 2004-09-24
27
28 PRIOR APPLICATION NUMBER: CA 2,441,695
29
30 PRIOR FILING DATE: 2003-09-26
31
32 NUMBER OF SEQ ID NOS: 99
33
34 SOFTWARE: PatentIn version 3.3
35
36 SEQ ID NO 58
37
38 LENGTH: 16
39
40 TYPE: PRT
41
42 ORGANISM: Artificial
43
44 FEATURE:
45
46 OTHER INFORMATION: PCK3145 derivative
47
48 US-11-004-270-58

```

Query Match	100.0%;	Score 101;	DB 20;	Length 16;
Best Local Similarity	100.0%;	Pred. No. 1.6e-06;		
Matches 16;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY 1 SEMQTDNCETCTCYET 16  
|||||

Db 1 SEWQTDNCETCTCYET 16

RESULT 4  
US-11-004-273-58

```

: Sequence 58, Application US/11004273
: Publication No. US20050148514A1
: GENERAL INFORMATION:
: APPLICANT: Panchal, Chandra J.
: APPLICANT: Wu, Jinzi
: APPLICANT: Beliveau, Richard
: APPLICANT: Ruiz, Marcia
: APPLICANT: Garde, Seema
: APPLICANT: Annabi, Borhane
: APPLICANT: Lamy, Sylvie
: APPLICANT: Bouzeghrane, Mounia
: APPLICANT: Daigneault, Luc
: APPLICANT: Hawkins, Robert
: TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS
: FILE REFERENCE: BKP-021
: CURRENT APPLICATION NUMBER: US/11/004,273
: CURRENT FILING DATE: 2004-12-02
: PRIOR APPLICATION NUMBER: US 10/948,229
: PRIOR FILING DATE: 2004-09-24
: PRIOR APPLICATION NUMBER: CA 2,441,695
: PRIOR FILING DATE: 2003-09-26
: NUMBER OF SEQ. ID NOS: 99
: SOFTWARE: PatentIn version 3.3
: SEQ. ID NO 58
: LENGTH: 16
: TYPE: PRT
: ORGANISM: Artificial
: FEATURE:
: OTHER INFORMATION: PCK3145 derivative
: US-11-004-273-58

```

Query Match	100.0%;	Score 101;	DB 20;	Length 16;
Best Local Similarity	100.0%;	Pred. No. 1.6e-06;		
Matches 16;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

```

QY      1  SEWQTDNCETCTCYET  16
         |||||
Db      1  SEWQTDNCETCTCYET  16

```

## RESULT 5

```

1 RESULT 5
2 US-09-977-406A-60
3
4 ; Sequence 60, Application US/09977406A
5 ; Publication No. US20030170220A1
6 ;
7 ; GENERAL INFORMATION:
8 ;
9 ; APPLICANT: PROCYON BIOPHARMA INC.
10 ;
11 ; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITTING TUMORS
12 ;
13 ; FILE REFERENCE: 06508-030-US-03
14 ;
15 ; CURRENT APPLICATION NUMBER: US/09/977,406A
16 ;
17 ; CURRENT FILING DATE: 2001-10-15
18 ;
19 ; PRIOR APPLICATION NUMBER: CA 2,321,256
20 ;
21 ; PRIOR FILING DATE: 2000-10-16
22 ;
23 ; PRIOR APPLICATION NUMBER: CA 2,355,334
24 ;
25 ; PRIOR FILING DATE: 2001-08-20
26 ;
27 ; NUMBER OF SEQ ID NOS: 92
28 ;
29 ; SOFTWARE: PatentIn version 3.1
30 ;
31 ; SEQ ID NO 60
32 ;
33 ; LENGTH: 17
34 ;
35 ; TYPE: PRT
36 ;
37 ; ORGANISM: Artificial Sequence
38 ;
39 ; FEATURE:
40 ;
41 ; OTHER INFORMATION: Polypeptide derived from rhHsp94 sequence (polypeptide analog)
42 US-09-977-406A-60

```

Query Match	100.0%;	Score 101;	DB 10;	Length 17;
Best Local Similarity	100.0%;	Pred. No. 1.7e-06;		
Matches 16;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

Qy 1 SEMQDNCETCTCYET 16  
|||  
Db 2 SEMQDNCETCTCYET 17

RESULT 6  
US-10-948-229-59

; Sequence 59, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 59  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-59

Query Match 100.0%; Score 101; DB 17; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1,7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SEMQDNCETCTCYET 16  
|||  
Db 2 SEMQDNCETCTCYET 17

RESULT 7  
US-11-004-270-59

; Sequence 59, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Bellevue, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 59  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-59

Query Match 100.0%; Score 101; DB 20; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1,7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SEMQDNCETCTCYET 16  
|||  
Db 2 SEMQDNCETCTCYET 17

RESULT 8  
US-11-004-273-59

; Sequence 59, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Bellevue, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 59  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-59

Query Match 100.0%; Score 101; DB 20; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1,7e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SEMQDNCETCTCYET 16  
|||  
Db 2 SEMQDNCETCTCYET 17

RESULT 9  
US-09-977-406a-61

; Sequence 61, Application US/09977406A  
; Publication No. US2003017020A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA, INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977,406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 61  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from rHbPSP94 sequence (polypeptide analog)

US-09-977-406A-61

Query Match 100.0%; Score 101; DB 10; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEMOTDNCCTCYET 16  
| | | | | | | | | | | | | | | | | |  
DB 3 SEMOTDNCCTCYET 18

RESULT 10

US-10-948-229-60  
; Sequence 60, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: US/10/948,229  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 60  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-60

Query Match 100.0%; Score 101; DB 17; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEMOTDNCCTCYET 16  
| | | | | | | | | | | | | | | | | |  
DB 3 SEMOTDNCCTCYET 18

RESULT 11

US-11-004-270-60  
; Sequence 60, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 60  
; LENGTH: 18

; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-60

Query Match 100.0%; Score 101; DB 20; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEMOTDNCCTCYET 16  
| | | | | | | | | | | | | | | | | |  
DB 3 SEMOTDNCCTCYET 18

RESULT 12

US-11-004-273-60  
; Sequence 60, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 60  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-60

Query Match 100.0%; Score 101; DB 20; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEMOTDNCCTCYET 16  
| | | | | | | | | | | | | | | | | |  
DB 3 SEMOTDNCCTCYET 18

RESULT 13

US-09-977-406A-62  
; Sequence 62, Application US/09977406A  
; Publication No. US20050170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977,406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 62  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE: Artificial Sequence  
; OTHER INFORMATION: Polypeptide derived from rHUSP94 sequence (polypeptide analog)  
US-09-977-406A-62

Query Match 100.0%; Score 101; DB 10; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEMOTDNCETCTCYET 16  
|||  
Db 4 SEMOTDNCETCTCYET 19

RESULT 14  
US-10-948-229-61  
; Sequence 61, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: Patentin version 3.3  
; SEQ ID NO 61  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-61

Query Match 100.0%; Score 101; DB 17; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEMOTDNCETCTCYET 16  
|||  
Db 4 SEMOTDNCETCTCYET 19

RESULT 15  
US-11-004-270-61  
; Sequence 61, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Belliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24

; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: Patentin version 3.3  
; SEQ ID NO 61  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-61

Query Match 100.0%; Score 101; DB 20; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.9e-06;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SEMOTDNCETCTCYET 16  
|||  
Db 4 SEMOTDNCETCTCYET 19

Search completed: July 27, 2005, 20:06:05  
Job time : 31.1964 secs

**This Page Blank (uspto)**



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 27, 2005, 19:08:08 ; Search time 23.0727 Seconds  
(without alignments)  
145.592 Million cell updates/sec

Title: US-09-977-406A-88  
Perfect score: 268  
Sequence: 1 SCYFIPNEGVGSDSTRKCMD.....HPINSEWQDNCETCTCYET 45

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA: \*  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep: \*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep: \*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep: \*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep: \*  
5: /cgn2\_6/ptodata/1/1aa/PTCUTS\_COMB.pep: \*  
6: /cgn2\_6/ptodata/1/1aa/bacfile1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	268	100.0	94	1 US-07-899-535A-1	Sequence 1, Appli
2	268	100.0	114	4 US-09-513-999C-7807	Sequence 7807, Ap
3	96	35.8	17	1 US-07-899-535A-3	Sequence 3, Appli
4	79	29.5	176	1 US-08-726-525-2	Sequence 2, Appli
5	79	29.5	176	2 US-08-487-942-2	Sequence 2, Appli
6	79	29.5	176	2 US-08-726-036A-2	Sequence 2, Appli
7	79	29.5	176	3 US-09-083-516-2	Sequence 2, Appli
8	67	25.0	1276	3 US-08-937-236-3	Sequence 3, Appli
9	67	25.0	1277	3 US-08-569-214-6	Sequence 3, Appli
10	67	25.0	1291	3 US-08-937-236-2	Sequence 3, Appli
11	67	25.0	1292	3 US-08-568-214-5	Sequence 2, Appli
12	67	25.0	1292	3 US-08-568-214-6	Sequence 5, Appli
13	67	25.0	1292	3 US-08-569-214-6	Sequence 5, Appli
14	67	25.0	1292	3 US-08-937-236-5	Sequence 5, Appli
15	67	25.0	1295	3 US-08-569-214-2	Sequence 2, Appli
16	67	25.0	2476	2 US-08-276-967-2	Sequence 2, Appli
17	66	24.6	2050	2 US-08-347-594A-2	Sequence 2, Appli
18	66	24.6	2813	4 US-09-381-261A-1	Sequence 1, Appli
19	63	23.5	1010	4 US-08-882-046-7	Sequence 7, Appli
20	63	23.5	1010	4 US-09-566-047-7	Sequence 7, Appli
21	63	23.5	1036	4 US-09-068-740A-6	Sequence 6, Appli
22	63	23.5	1067	4 US-09-579-536C-18	Sequence 18, Appli
23	63	23.5	1187	3 US-09-068-740A-7	Sequence 7, Appli
24	63	23.5	1208	4 US-09-199-865-1	Sequence 1, Appli
25	63	23.5	1208	4 US-10-213-329-1	Sequence 1, Appli
26	63	23.5	1218	2 US-08-400-159-6	Sequence 6, Appli
27	63	23.5	1218	3 US-08-611-729A-6	Sequence 6, Appli

28	63	23.5	1218	3 US-08-882-046-2	Sequence 2, Appli
29	63	23.5	1218	3 US-09-214-278-7	Sequence 7, Appli
30	63	23.5	1218	3 US-09-068-740A-11	Sequence 11, Appli
31	63	23.5	1218	4 US-09-855-722-7	Sequence 7, Appli
32	63	23.5	1218	4 US-09-566-047-2	Sequence 2, Appli
33	63	23.5	1218	4 US-09-917-254-85	Sequence 85, Appli
34	63	23.5	1218	4 US-09-195-524-6	Sequence 1, Appli
35	63	23.5	1218	4 US-09-579-536C-1	Sequence 1, Appli
36	63	23.5	1218	4 US-09-949-016-5902	Sequence 5902, Ap
37	63	23.5	1254	4 US-09-949-016-10297	Sequence 10297, A
38	62	23.1	2813	3 US-08-896-449A-2	Sequence 2, Appli
39	62	23.1	2813	3 US-09-133-652-2	Sequence 2, Appli
40	62	23.1	2813	4 US-09-886-900A-2	Sequence 2, Appli
41	62	23.1	2813	4 US-09-662-478C-2	Sequence 2, Appli
42	59	22.0	179	4 US-09-270-767-32787	Sequence 32787, A
43	59	22.0	179	4 US-09-270-767-48004	Sequence 48004, A
44	57.5	21.5	466	3 US-09-724-864-44	Sequence 44, Appli
45	57	21.3	1045	4 US-09-949-016-11112	Sequence 11112, A

## ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
; Sequence 1, Application US/07899535A  
; Patent No. 5428011  
; GENERAL INFORMATION:  
; APPLICANT: Sheth, Anil R.  
; APPLICANT: Garde, Seema  
; APPLICANT: Panchal, Chandra J.  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
; TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Mr. George Loud  
; STREET: 2001 Jefferson Davis Highway, Suite 306  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899, 535A  
; FILING DATE: 16-JUN-1992  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Loud, George A.  
; REGISTRATION NUMBER: 25,814  
; REFERENCE/DOCKET NUMBER: S&B-A835  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-415-0960  
; TELEFAX: 703-415-0962  
; TELEX: 24 8614  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 94 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
; ;  
; US-07-899-535A-1

Query Match 100.0%; Score 268; DB 1; Length 94;  
Best Local Similarity 100.0%; Pred. No. 3.3e-28;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SCFIPNEGVPDSTRCKMDLKGKHPINSEWOTDNCETCTCYET 45  
Db 1 SCFIPNEGVPDSTRCKMDLKGKHPINSEWOTDNCETCTCYET 45

## RESULT 2

US-09-513-999C-7807  
Sequence 7807, Application US/09513999C  
Patent No. 6783961  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J.B.  
APPLICANT: Duclet, A.Y.  
APPLICANT: Giordano, J.Y.  
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
Patent No. 6783961  
FILE REFERENCE: 59.US2.REG  
CURRENT APPLICATION NUMBER: US/09/513,999C  
CURRENT FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/122,487  
PRIOR FILING DATE: 1999-02-26  
NUMBER OF SEQ ID NOS: 36681  
SOFTWARE: Patent.pm  
SEQ ID NO 7807  
LENGTH: 114  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: -20...-1  
OTHER INFORMATION: score 9  
US-09-513-999C-7807

Query Match 100.0%; Score 268; DB 4; Length 114;  
Best Local Similarity 100.0%; Pred. No. 4.1e-28;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SCFIPNEGVPDSTRCKMDLKGKHPINSEWOTDNCETCTCYET 45  
Db 21 SCFIPNEGVPDSTRCKMDLKGKHPINSEWOTDNCETCTCYET 65

## RESULT 3

US-07-899-535A-3  
Sequence 3, Application US/07899535A  
Patent No. 5428011  
GENERAL INFORMATION:  
APPLICANT: Sheth, Anil R.  
APPLICANT: Garde, Seema  
APPLICANT: Panchal, Chandra J.  
TITLE OF INVENTION: Pharmaceutical Preparations for  
TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mr. George Loud  
STREET: 2001 Jefferson Davis Highway, Suite 306  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/899,535A  
FILING DATE: 16-JUN-1992  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Loud, George A.  
REGISTRATION NUMBER: 25,814

REFERENCE/DOCKET NUMBER: S&B-A835  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-415-0960  
TELEFAX: 703-415-0962  
TELEX: 24 8614

INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
US-07-899-535A-3

Query Match 35.8%; Score 96; DB 1; Length 17;  
Best Local Similarity 100.0%; Pred. No. 3.2e-06;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SCFIPNEGVPDSTRK 17  
Db 1 SCFIPNEGVPDSTRK 17

## RESULT 4

US-08-726-525-2  
Sequence 2, Application US/08726525  
Patent No. 5789181  
GENERAL INFORMATION:  
APPLICANT: Lin, Lih-Ling  
APPLICANT: Graham, James  
TITLE OF INVENTION: NOVEL INTERLEUKIN-1 RECEPTOR  
TITLE OF INVENTION: INTRACELLULAR LIGAND PROTEINS AND INHIBITORS OF LIGAND  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LEGAL AFFAIRS, GENETICS INSTITUTE, INC.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/726,525  
FILING DATE: 07-OCT-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/487,942  
FILING DATE: 07-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15258  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 176 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-726-525-2

Query Match 29.5%; Score 79; DB 1; Length 176;  
Best Local Similarity 41.4%; Pred. No. 0.009;  
Matches 12; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

QY 14 STRCKMDLKGKHPINSEWOTDNCETCTC 42

Db 108 STTECVDAGESHANNITKMKDACTTCEC 136

## RESULT 5

US-08-487-942-2

Sequence 2, Application US/08487942

Patent No. 5817476

GENERAL INFORMATION:

APPLICANT: Lin, Lih-Liang

APPLICANT: Graham, James

TITLE OF INVENTION: NOVEL INTERLEUKIN-1 RECEPTOR

TITLE OF INVENTION: INTRACELLULAR LIGAND PROTEINS AND INHIBITORS OF LIGAND

NUMBER OF SEQUENCES: 7

SEQUENCE CHARACTERISTICS:

ADDRESS: LEGAL AFFAIRS, GENETICS INSTITUTE, INC.

STREET: 87 Cambridgepark Drive

CITY: Cambridge

STATE: MA

COUNTRY: USA

ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/487,942

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.

REGISTRATION NUMBER: 32,724

REFERENCE/DOCKET NUMBER: G15258

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 498-8224

TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 176 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-487-942-2

Query Match 29.5%; Score 79; DB 2; Length 176;

Best Local Similarity 41.4%; Pred. No. 0.009;

Matches 12; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

Qy 14 STRKMDLKGKHPINSEWOTDNCETCTC 42

Db 108 STTECVDAGESHANNITKMKDACTTCEC 136

## RESULT 6

US-08-726-036A-2

Sequence 2, Application US/08726036A

Patent No. 5881482

GENERAL INFORMATION:

APPLICANT: Lin, Lih-Liang

APPLICANT: Graham, James

TITLE OF INVENTION: NOVEL INTERLEUKIN-1 RECEPTOR

TITLE OF INVENTION: INTRACELLULAR LIGAND PROTEINS AND INHIBITORS OF LIGAND

NUMBER OF SEQUENCES: 7

SEQUENCE CHARACTERISTICS:

ADDRESS: LEGAL AFFAIRS, GENETICS INSTITUTE, INC.

STREET: 87 Cambridgepark Drive

CITY: Cambridge

STATE: MA

COUNTRY: USA

ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/726,036A

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.

REGISTRATION NUMBER: 32,724

REFERENCE/DOCKET NUMBER: G15258

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 498-8224

TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 176 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-726-036A-2

Query Match 29.5%; Score 79; DB 2; Length 176;

Best Local Similarity 41.4%; Pred. No. 0.009;

Matches 12; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

Qy 14 STRKMDLKGKHPINSEWOTDNCETCTC 42

Db 108 STTECVDAGESHANNITKMKDACTTCEC 136

## RESULT 7

US-09-083-516-2

Sequence 2, Application US/09083516

Patent No. 6300086

GENERAL INFORMATION:

APPLICANT: Lin, Lih-Liang

APPLICANT: Graham, James

TITLE OF INVENTION: NOVEL INTERLEUKIN-1 RECEPTOR

TITLE OF INVENTION: INTRACELLULAR LIGAND PROTEINS AND INHIBITORS OF LIGAND

NUMBER OF SEQUENCES: 7

SEQUENCE CHARACTERISTICS:

ADDRESS: LEGAL AFFAIRS, GENETICS INSTITUTE, INC.

STREET: 87 Cambridgepark Drive

CITY: Cambridge

STATE: MA

COUNTRY: USA

ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/083,516

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/487,942

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.

REGISTRATION NUMBER: 32,724

REFERENCE/DOCKET NUMBER: G15258

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 498-8224

TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 176 amino acids

TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-083-516-2

Query Match 29.5%; Score 79; DB 3; Length 176;  
Best Local Similarity 41.4%; Pred. No. 0.009;  
Matches 12; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

Qy 14 STRKMDLKGKHPINSEWQDNCECTC 42  
Db 108 STECVAGSGSHANNKMKDADCTICBC 136

RESULT 8  
US-08-937-236-3  
Sequence 3, Application US/08937236  
Patent No. 6187310  
GENERAL INFORMATION:  
APPLICANT: MANN, BARBARA J.  
APPLICANT: PETRI, WILLIAM A.  
APPLICANT: DODSON, JAMES M.  
TITLE OF INVENTION: RECOMBINANT ENTAMOEBA HISTOLYTICA LECTIN  
TITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE  
TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20006-1812  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/937,236  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/569,214  
FILING DATE: 16 SEPTEMBER 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: LIVNAT, SHMUEL  
REGISTRATION NUMBER: 33,949  
REFERENCE/DOCKET NUMBER: 291482000622  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 887-1500  
TELEFAX: (202) 887-0763  
TELEX: 90-4030  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1276 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-937-236-3

Query Match 25.0%; Score 67; DB 3; Length 1276;  
Best Local Similarity 31.7%; Pred. No. 3.6;  
Matches 13; Conservative 6; Mismatches 10; Indels 12; Gaps 1;

Qy 17 KCMDLKGNKHPINSEWQDN-----CETCTCYET 45  
Db 1084 KCVESKSGDKITHKWEIDTERSNANPKPRNPCEATCNQT 1124

RESULT 9  
US-08-937-236-6  
Sequence 6, Application US/08937236

Patent No. 6187310  
GENERAL INFORMATION:  
APPLICANT: MANN, BARBARA J.  
APPLICANT: PETRI, WILLIAM A.  
APPLICANT: DODSON, JAMES M.  
TITLE OF INVENTION: RECOMBINANT ENTAMOEBA HISTOLYTICA LECTIN  
TITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE  
TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20006-1812  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/937,236  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/569,214  
FILING DATE: 16 SEPTEMBER 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: LIVNAT, SHMUEL  
REGISTRATION NUMBER: 33,949  
REFERENCE/DOCKET NUMBER: 291482000622  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 887-1500  
TELEFAX: (202) 887-0763  
TELEX: 90-4030  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1277 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-937-236-6

Query Match 25.0%; Score 67; DB 3; Length 1277;  
Best Local Similarity 31.7%; Pred. No. 3.6;  
Matches 13; Conservative 6; Mismatches 10; Indels 12; Gaps 1;

Qy 17 KCMDLKGNKHPINSEWQDN-----CETCTCYET 45  
Db 1084 KCVESKSGDKITHKWEIDTERSNANPKPRNPCEATCNQT 1124

RESULT 10  
US-08-569-214-3  
Sequence 3, Application US/08569214  
Patent No. 6165469  
GENERAL INFORMATION:  
APPLICANT: MANN, BARBARA J.  
APPLICANT: PETRI, WILLIAM A.  
TITLE OF INVENTION: RECOMBINANT ENTAMOEBA HISTOLYTICA LECTIN  
TITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE  
TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20006-1812  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,214
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06890
FILING DATE: 17-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 9148-0006.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1291 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-569-214-3

Query Match 25.0%; Score 67; DB 3; Length 1291;
Best Local Similarity 31.7%; Pred. No. 3.7;
Matches 13; Conservative 6; Mismatches 10; Indels 12; Gaps 1;

OY 17 KCMDLKGKHPINSEWQTN-----CETCQYET 45
Db 1099 KCVESKSGDGIKTHKWEIDTERSNANPKRNPCEYATNCQT 1139

RESULT 11
US-08-937-236-2
Sequence 2, Application US/08937236
Patent No. 6187310
GENERAL INFORMATION:
APPLICANT: MANN, BARBARA J.
APPLICANT: PETRI, WILLIAM A.
APPLICANT: DODSON, JAMES M.
TITLE OF INVENTION: RECOMBINANT ENTAMOeba HISTOLYTICA LECTIN
TITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE
TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 200006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/937,236
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/569,214
FILING DATE: 16 SEPTEMBER 1997
ATTORNEY/AGENT INFORMATION:
NAME: LIVNAT, SHMUEL
REGISTRATION NUMBER: 33,949
REFERENCE/DOCKET NUMBER: 291482000622
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763

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      1 TELEX: 90-4030
      2 INFORMATION FOR SEQ ID NO: 2:
      3 SEQUENCE CHARACTERISTICS:
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      5 TYPE: amino acid
      6 TOPOLOGY: linear
      7 MOLECULE TYPE: protein
      8 US-08-937-236-2

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Best Local Similarity 31.7%; Pred. No. 3.7;
Matches 13; Conservative 6; Mismatches 10; Indels 12; Gaps 1;

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Db      1099 KCVESKSGDKITHKWEIDTERSNNPKRPNCETATNCQT 1139

RESULT 12
US-08-569-214-5
; Sequence 5, Application US/08569214
; Patent No. 6165469
; GENERAL INFORMATION:
; APPLICANT: MANN, BARBARA J.
; APPLICANT: PETRI, WILLIAM A.
; TITLE OF INVENTION: RECOMBINANT ENTAMOEBA HISTOLYTICA LECTIN
; SUBTITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE
; TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,214
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/06890
; FILING DATE: 17-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9148-0006.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1292 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-569-214-5

Query Match      25.0%; Score 67; DB 3; Length 1292;
Best Local Similarity 31.7%; Pred. No. 3.7;
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Db      1099 KCVESKSGDKITHKWEIDTERSNNPKRPNCETATNCQT 1139

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RESULT 13
US-08-569-214-6
; Sequence 6, Application US/08569214
; Patent No. 6165469
; GENERAL INFORMATION:
; APPLICANT: MANN, BARBARA J.
; APPLICANT: PETRI, WILLIAM A.
; TITLE OF INVENTION: RECOMBINANT ENTAMOEBA HISTOLYTICA LECTIN
; TITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE
; TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,214
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/06890
; FILING DATE: 17-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9148-0006.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1292 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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US-08-569-214-6
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Query Match 25.0%; Score 67; DB 3; Length 1292;
Best Local Similarity 31.7%; Pred. No. 3.7;
Matches 13; Conservative 6; Mismatches 10; Indels 12; Gaps 1;

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Db 1099 KCVEKSGDKGKITHKWEIDTERSNANPKRNPCEATCNCQT 1139

RESULT 14
US-08-937-236-5
; Sequence 5, Application US/08937236
; Patent No. 6187310
; GENERAL INFORMATION:
; APPLICANT: MANN, BARBARA J.
; APPLICANT: PETRI, WILLIAM A.
; APPLICANT: DODSON, JAMES M.
; TITLE OF INVENTION: RECOMBINANT ENTAMOEBA HISTOLYTICA LECTIN
; TITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE
; TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
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ZIP: 20006-1812
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; APPLICATION NUMBER: US/08/937,236
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/569,214
; FILING DATE: 16 SEPTEMBER 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: LIVNAT, SHMUEL
; REGISTRATION NUMBER: 33,949
; REFERENCE/DOCKET NUMBER: 291482000622
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1292 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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US-08-937-236-5
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Query Match 25.0%; Score 67; DB 3; Length 1292;
Best Local Similarity 31.7%; Pred. No. 3.7;
Matches 13; Conservative 6; Mismatches 10; Indels 12; Gaps 1;

Qy 17 KCMDLKGNKHPINSEWQTDN-----CETCTCYET 45
Db 1099 KCVEKSGDKGKITHKWEIDTERSNANPKRNPCEATCNCQT 1139

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US-08-569-214-2
; Sequence 2, Application US/08569214
; Patent No. 6165469
; GENERAL INFORMATION:
; APPLICANT: MANN, BARBARA J.
; APPLICANT: PETRI, WILLIAM A.
; TITLE OF INVENTION: RECOMBINANT ENTAMOEBA HISTOLYTICA LECTIN
; TITLE OF INVENTION: SUBUNIT PEPTIDES AND REAGENTS SPECIFIC FOR MEMBERS OF THE
; TITLE OF INVENTION: 170 KD SUBUNIT MULTIGENE FAMILY
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 PENNSYLVANIA AVENUE N.W., STE. 5500
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,214
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/06890
; FILING DATE: 17-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9148-0006.21
; TELECOMMUNICATION INFORMATION:
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; TELEPHONE: (202) 887-1500  
 ; TELEFAX: (202) 887-0763  
 ; TELEX: 90-4030  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS: 2:  
 ; LENGTH: 1295 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-569-214-2

Query Match 25.0%; Score 67; DB 3; Length 1295;  
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Search completed: July 27, 2005, 19:28:42  
 Job time : 24.0727 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using SW model

Run on: July 27, 2005, 19:20:53 ; Search time 84.9273 Seconds  
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Total number of hits satisfying chosen parameters: 1741741

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications AA:\*

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- 22: /cgn2\_6/ptodata/1/pubppaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match Length	ID	Description
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2	268	100.0	45 17 US-10-948-229-87	Sequence 87, Appl
3	268	100.0	45 20 US-11-004-270-87	Sequence 87, Appl
4	268	100.0	45 20 US-11-004-273-87	Sequence 87, Appl
5	268	100.0	94 10 US-09-977-406a-1	Sequence 1, Appl
6	268	100.0	94 14 US-10-291-360-1	Sequence 1, Appl
7	268	100.0	94 17 US-10-857-358-1	Sequence 1, Appl
8	268	100.0	94 17 US-10-948-229-1	Sequence 1, Appl
9	268	100.0	94 20 US-11-004-270-1	Sequence 1, Appl
10	268	100.0	94 20 US-11-004-273-1	Sequence 1, Appl
11	268	100.0	102 10 US-09-977-406a-2	Sequence 2, Appl

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15	268	100.0	102 20 US-11-004-270-2	Sequence 2, Appl
16	268	100.0	102 20 US-11-004-273-2	Sequence 2, Appl
17	268	100.0	114 13 US-10-012-896-1003	Sequence 1003, Ap
18	268	100.0	114 14 US-10-203-823-271	Sequence 271, Ap
19	268	100.0	114 14 US-10-144-678A-1003	Sequence 1003, Ap
20	268	100.0	114 14 US-10-294-025-1003	Sequence 1003, Ap
21	268	100.0	114 15 US-10-291-172-236	Sequence 236, App
22	268	100.0	114 15 US-10-221-278-236	Sequence 236, App
23	268	100.0	114 16 US-10-408-765A-532	Sequence 532, App
24	268	100.0	132 6 US-09-925-300-1027	Sequence 1027, Ap
25	264	98.5	44 10 US-09-977-406a-87	Sequence 87, Appl
26	264	98.5	44 17 US-10-948-229-86	Sequence 86, Appl
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28	264	98.5	44 20 US-11-004-273-86	Sequence 86, Appl
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31	255	95.1	43 20 US-11-004-270-85	Sequence 85, Appl
32	255	95.1	43 20 US-11-004-273-85	Sequence 85, Appl
33	248	92.5	42 10 US-09-977-406a-85	Sequence 85, Appl
34	248	92.5	42 17 US-10-948-229-84	Sequence 84, Appl
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38	242	90.3	41 17 US-10-948-229-83	Sequence 83, Appl
39	242	90.3	41 20 US-11-004-270-83	Sequence 83, Appl
40	242	90.3	41 20 US-11-004-273-83	Sequence 83, Appl
41	238	88.8	40 10 US-09-977-406a-83	Sequence 83, Appl
42	238	88.8	40 17 US-10-948-229-82	Sequence 82, Appl
43	238	88.8	40 20 US-11-004-270-82	Sequence 82, Appl
44	238	88.8	40 20 US-11-004-273-82	Sequence 82, Appl
45	231	86.2	39 10 US-09-977-406a-82	Sequence 82, Appl

## ALIGNMENTS

RESULT 1  
US-09-977-406a-88  
; Sequence 88, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 88  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from rHnpsp94 sequence (polypeptide analog)  
US-09-977-406a-88

Query Match 100.0%; Score 268; DB 10; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 SCYFIPNEGVGDSTRKMDKGNKHPINSEWQDNCETCTCYET 45

RESULT 2

US-10-948-229-87  
; Sequence 87, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 87  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-87

Query Match 100.0%; Score 268; DB 17; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 SCVFPINEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45

RESULT 3  
US-11-004-270-87  
; Sequence 87, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
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; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-87

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Best Local Similarity 100.0%; Pred. No. 1e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 SCVFPINEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45

Db 1 SCVFPINEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45

RESULT 4  
US-11-004-273-87  
; Sequence 87, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
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; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-87

Query Match 100.0%; Score 268; DB 20; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5  
US-09-977-406A-1  
; Sequence 1, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITTING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977,406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 94  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; PUBLICATION INFORMATION:  
; AUTHORS: Uivack, W., Lindstrom, C., Weiber, H., Abrahamson, P.A., Lilja, H., and  
; TITLE: Molecular cloning of a small prostate protein, known as beta-  
; TITLE: microsemoprotein, PSP94 or beta-inhibin, and demonstration of transcripts in  
; TITLE: non-genital tissues.  
; JOURNAL: Biochem. Biophys. Res Commun.  
; VOLUME: 164

ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-09-977-406a-1

Query Match  
Best Local Similarity 100.0%; Score 268; DB 10; Length 94;  
Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45  
Db 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45

RESULT 6  
US-10-291-360-1  
Sequence 1, Application US/10291360  
Publication No. US20030119744A1  
GENERAL INFORMATION:  
APPLICANT: PROCCON BIOPHARMA INC.  
TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
FILE REFERENCE: 06508-051-US-02  
CURRENT APPLICATION NUMBER: US/10/291,360  
CURRENT FILING DATE: 2002-11-08  
PRIOR APPLICATION NUMBER: CA 2,361,736  
PRIOR FILING DATE: 2001-11-08  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Ulvback, M., Lindstrom, C., Weiber, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundvall, A.  
TITLE: Molecular cloning of a small prostate protein, known as beta-  
TITLE: microsemoprotein, PSP94 or beta-inhibin, and demonstration of transcripts  
TITLE: non-genital tissues.  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-10-291-360-1

Query Match  
Best Local Similarity 100.0%; Score 268; DB 14; Length 94;  
Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45  
Db 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45

RESULT 7  
US-10-857-358-1  
Sequence 1, Application US/10857358  
Publication No. US20050026833A1  
GENERAL INFORMATION:  
APPLICANT: PROCCON BIOPHARMA INC.  
TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis  
FILE REFERENCE: 06508-153  
CURRENT APPLICATION NUMBER: US/10/857,358  
CURRENT FILING DATE: 2004-06-01  
PRIOR APPLICATION NUMBER: CA 2,361,736  
PRIOR FILING DATE: 2001-11-08  
PRIOR APPLICATION NUMBER: US 10/291,360  
PRIOR FILING DATE: 2002-11-08  
NUMBER OF SEQ ID NOS: 7

SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
AUTHORS: Ulvback, M., Lindstrom, C., Weiber, H., Abrahamson, P.A., Lilja, H., and  
AUTHORS: Lundvall, A.  
TITLE: Molecular cloning of a small prostate protein, known as beta-  
TITLE: microsemoprotein, PSP94 or beta-inhibin, and demonstration of transcripts  
TITLE: non-genital tissues.  
JOURNAL: Biochem. Biophys. Res Commun.  
VOLUME: 164  
ISSUE: 3  
PAGES: 1310-1315  
DATE: 1989  
DATABASE ACCESSION NUMBER: GI 131436  
DATABASE ENTRY DATE: 1988-08-01  
US-10-857-358-1

Query Match  
Best Local Similarity 100.0%; Score 268; DB 17; Length 94;  
Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45  
Db 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45

RESULT 8  
US-10-948-229-1  
Sequence 1, Application US/10948229  
Publication No. US20050096273A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
FILE REFERENCE: BRP-022  
CURRENT APPLICATION NUMBER: US/10/948,229  
CURRENT FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 91  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 1  
LENGTH: 94  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-948-229-1

Query Match  
Best Local Similarity 100.0%; Score 268; DB 17; Length 94;  
Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45  
Db 1 SCYFIPNEGVPDSTRKCMDLKGKNGHPINSEWQTDNCTCTCYET 45

RESULT 9  
US-11-004-270-1  
Sequence 1, Application US/11004270  
Publication No. US20050147601A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Beliveau, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane

```

; APPLICANT: Lamy, Sylvie
; APPLICANT: Bouzeghrane, Mounia
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION
; FILE REFERENCE: BKP-020
; CURRENT APPLICATION NUMBER: US/11/004,270
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US 10/948,229
; PRIOR FILING DATE: 2004-09-24
; PRIOR APPLICATION NUMBER: CA 2,441,695
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-004-270-1
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Query Match          100.0%; Score 268; DB 20; Length 94;
Best Local Similarity 100.0%; Pred. No. 2.3e-26;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45
Db 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45
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RESULT 10
US-11-004-273-1
; Sequence 1, Application US/11004273
; Publication No. US20050148514A1
; GENERAL INFORMATION:
; APPLICANT: Panchal, Chandra J.
; APPLICANT: Wu, Jinzi
; APPLICANT: Belliveau, Richard
; APPLICANT: Ruiz, Marcia
; APPLICANT: Garde, Seema
; APPLICANT: Annabi, Borhane
; APPLICANT: Lamy, Sylvie
; APPLICANT: Bouzeghrane, Mounia
; APPLICANT: Daigneault, Luc
; APPLICANT: Hawkins, Robert
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS
; FILE REFERENCE: BKP-021
; CURRENT APPLICATION NUMBER: US/11/004,273
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US 10/948,229
; PRIOR FILING DATE: 2004-09-24
; PRIOR APPLICATION NUMBER: CA 2,441,695
; PRIOR FILING DATE: 2003-09-26
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-004-273-1
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Query Match          100.0%; Score 268; DB 20; Length 94;
Best Local Similarity 100.0%; Pred. No. 2.3e-26;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45
Db 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45
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RESULT 11
US-09-977-406a-2
; Sequence 2, Application US/09977406A
; Publication No. US20030170220A1
```

```

; GENERAL INFORMATION:
; APPLICANT: PROCTON BIOPHARMA INC.
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS
; FILE REFERENCE: 06508-030-US-03
; CURRENT APPLICATION NUMBER: US/09/977,406A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: CA 2,321,256
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: CA 2,355,334
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: recombinant human PSP94 (rHuPSP94) produced from yeast
US-09-977-406a-2
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Query Match          100.0%; Score 268; DB 10; Length 102;
Best Local Similarity 100.0%; Pred. No. 2.5e-26;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45
Db 9 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 53
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RESULT 12
US-10-291-360-2
; Sequence 2, Application US/10291360
; Publication No. US20030119744A1
; GENERAL INFORMATION:
; APPLICANT: PROCTON BIOPHARMA INC.
; TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis
; FILE REFERENCE: 06508-051-US-02
; CURRENT APPLICATION NUMBER: US/10/291,360
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: CA 2,361,736
; PRIOR FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: recombinant human PSP94 (rHuPSP94) produced from yeast
US-10-291-360-2
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Query Match          100.0%; Score 268; DB 14; Length 102;
Best Local Similarity 100.0%; Pred. No. 2.5e-26;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45
Db 9 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 53
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RESULT 13
US-10-857-358-2
; Sequence 2, Application US/10857358
; Publication No. US20050026833A1
; GENERAL INFORMATION:
; APPLICANT: PROCTON BIOPHARMA INC.
; TITLE OF INVENTION: PSP-94: Use for Treatment of Hypercalcemia and Bone metastasis
; FILE REFERENCE: 06508-153
; CURRENT APPLICATION NUMBER: US/10/857,358
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: CA 2,361,736
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 10/291,360
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; PRIOR FILING DATE: 2002-11-08  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 102  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: recombinant human PSP94 (rHUSP94) produced from yeast  
US-10-857-358-2

Query Match 100.0%; Score 268; DB 17; Length 102;  
Best Local Similarity 100.0%; Pred. No. 2.5e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45  
DB 9 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 53

## RESULT 14

US-10-948-229-2  
; Sequence 2, Application US/10948229  
; Publication No. US20050096273a1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 2  
; LENGTH: 102  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 derivative  
US-10-948-229-2

Query Match 100.0%; Score 268; DB 17; Length 102;  
Best Local Similarity 100.0%; Pred. No. 2.5e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45  
DB 9 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 53

## RESULT 15

US-11-004-270-2  
; Sequence 2, Application US/11004270  
; Publication No. US20050147601a1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270

; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 2  
; LENGTH: 102  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-11-004-270-2

Query Match 100.0%; Score 268; DB 20; Length 102;  
Best Local Similarity 100.0%; Pred. No. 2.5e-26;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 45  
DB 9 SCYFIPNEGVPDSTRKCMDLKGKHPINSEWQTDNCETCTCYET 53

Search completed: July 27, 2005, 20:06:05  
Job time : 84.9273 secs

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Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 27, 2005, 19:08:08 ; Search time 15.3818 Seconds  
(without alignments)  
145.592 Million cell updates/sec

Title: US-09-977-406a-90

Perfect score: 194

Sequence: 1 EWQTDNCECTCYETEMQTDNCECTCYET 30

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Searched: 513545 seqs, 7464964 residues 513545

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents, AA:\*

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- 2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/PCTUS.COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	110	56.7	94	US-07-899-535A-1	Sequence 1, Appli
2	110	56.7	114	US-09-513-999C-7807	Sequence 7807, Ap
3	62	32.0	1045	US-09-949-016-11112	Sequence 11112, A
4	62	32.0	1172	US-08-313-288B-19	Sequence 19, Appl
5	62	32.0	1172	US-09-949-016-6333	Sequence 6333, Ap
6	58.5	30.2	1917	US-09-627-650B-5	Sequence 5, Appli
7	58.5	30.2	1917	US-09-436-063C-5	Sequence 5, Appli
8	58	29.9	290	US-09-543-681A-6461	Sequence 6461, Ap
9	58	29.9	466	US-09-724-864-44	Sequence 44, Appl
10	57.5	29.6	39	US-08-036-555B-40	Sequence 40, Appl
11	57.5	29.6	39	US-08-469-569-40	Sequence 40, Appl
12	57.5	29.6	39	US-08-249-322A-40	Sequence 40, Appl
13	57.5	29.6	39	US-08-469-526A-40	Sequence 40, Appl
14	57.5	29.6	39	US-08-734-591A-40	Sequence 40, Appl
15	57.5	29.6	39	US-08-469-660-40	Sequence 40, Appl
16	57.5	29.6	39	US-08-735-021-40	Sequence 40, Appl
17	57.5	29.6	39	US-08-734-664A-40	Sequence 40, Appl
18	57.5	29.6	39	PCT-US94-05083C-40	Sequence 40, Appl
19	57.5	29.6	39	PCT-US95-06846A-40	Sequence 40, Appl
20	57.5	29.6	1036	US-09-949-016-6910	Sequence 6910, Ap
21	57.5	29.6	1049	US-09-949-016-11522	Sequence 11522, A
22	56	28.9	270	US-09-270-767-60915	Sequence 60915, A
23	56	28.9	584	US-09-806-536A-11	Sequence 45410, A
24	55.5	28.6	421	US-09-270-767-32787	Sequence 11, Appl
25	54.5	28.1	179	US-09-270-767-48004	Sequence 48004, A
26	54.5	28.1	179	US-09-270-767-48004	Sequence 48004, A
27	54.5	28.1	437	US-09-073-569-2	Sequence 2, Appli

28	54.5	28.1	437	US-09-830-189C-2	Sequence 2, Appli
29	54	27.8	59	US-09-381-546-4	Sequence 4, Appli
30	54	27.8	59	US-09-381-546-25	Sequence 25, Appl
31	54	27.8	59	US-09-381-546-26	Sequence 26, Appl
32	54	27.8	59	US-09-381-546-27	Sequence 27, Appl
33	54	27.8	59	US-09-381-546-28	Sequence 28, Appl
34	54	27.8	59	US-09-381-546-29	Sequence 29, Appl
35	54	27.8	59	US-09-381-546-30	Sequence 30, Appl
36	54	27.8	59	US-09-381-546-31	Sequence 31, Appl
37	54	27.8	59	US-09-381-546-32	Sequence 32, Appl
38	54	27.8	59	US-09-381-546-33	Sequence 33, Appl
39	54	27.8	59	US-09-381-546-34	Sequence 34, Appl
40	54	27.8	59	US-09-381-546-35	Sequence 35, Appl
41	54	27.8	59	US-09-381-546-36	Sequence 36, Appl
42	54	27.8	59	US-09-381-546-37	Sequence 37, Appl
43	54	27.8	59	US-09-381-546-38	Sequence 38, Appl
44	54	27.8	59	US-09-381-546-39	Sequence 39, Appl
45	54	27.8	59	US-09-381-546-40	Sequence 40, Appl

# ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
; Sequence 1, Application US/07899535A  
; Patent No. 5428011  
; GENERAL INFORMATION:  
; APPLICANT: Sheth, Anil R.  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Mr. George Loud  
; STREET: 2001 Jefferson Davis Highway, Suite 306  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899,535A  
; FILING DATE: 16-JUN-1992  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Loud, George A.  
; REGISTRATION NUMBER: 25,814  
; REFERENCE/DOCKET NUMBER: S&B-A835  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-415-0960  
; TELEFAX: 703-415-0962  
; TELEX: 24 8614  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 94 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
; US-07-899-535A-1

Query Match 56.7%, Score 110, DB 1, Length 94;  
Best Local Similarity 54.3%, Pred. No. 1.7e-05;  
Matches 19, Conservative 2, Mismatches 2, Indels 12, Gaps 1;

Qy 1 EMQDNCETCTCYETE-----WQDNCB 23  
Db 31 EMQDNCETCTCYETEISCTLVSTPVGYDXDNCQ 65

## RESULT 2

US-09-513-999C-7807  
; Sequence 7807, Application US/09513999C  
; Patent No. 6783961  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert, A.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; Patent No. 6783961  
; FILE REFERENCE: 59.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/513,999C  
; CURRENT FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/122,487  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 7807  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: -20...-1  
; OTHER INFORMATION: score 9  
; OTHER INFORMATION: seq VVIRFTVTLGNA/SC  
US-09-513-999C-7807

Query Match 56.7%; Score 110; DB 4; Length 114;  
Best Local Similarity 54.3%; Pred. No. 2e-05;  
Matches 19; Conservative 2; Mismatches 2; Indels 12; Gaps 1;

Qy 1 EMQDNCETCTCYETE-----WQDNCB 23  
Db 51 EMQDNCETCTCYETEISCTLVSTPVGYDXDNCQ 85

## RESULT 3

US-09-949-016-11112  
; Sequence 1112, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CLO01307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11112  
; LENGTH: 1045  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-11112

Query Match 32.0%; Score 62; DB 4; Length 1045;  
Best Local Similarity 39.3%; Pred. No. 31;  
Matches 11; Conservative 3; Mismatches 12; Indels 2; Gaps 1;

Db 412 WVVDSCCTTCKKKFKTICHOITCPATC 439

## RESULT 4

US-08-313-288B-19  
; Sequence 19, Application US/08313288B  
; Patent No. 5750502  
; GENERAL INFORMATION:  
; APPLICANT: Jessell, Thomas M. and Avinu Klar  
; TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A  
; TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/313,288B  
; FILING DATE: January 5, 1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 40028-A-PCT-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 278-0400  
; TELEFAX: (212) 391-0526  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1172 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-313-288B-19

Query Match 32.0%; Score 62; DB 1; Length 1172;  
Best Local Similarity 39.3%; Pred. No. 34;  
Matches 11; Conservative 3; Mismatches 12; Indels 2; Gaps 1;

Qy 2 WQDNCETCTC--YETEMQDNCETCTC 27  
Db 333 WVVDSCCTTCKKKFKTICHOITCPATC 360

## RESULT 5

US-09-949-016-6333  
; Sequence 6333, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CLO01307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0



SEQ ID NO 6333  
LENGTH: 1172  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-6333

Query Match 32.0% Score 62; DB 4; Length 1172;  
Best Local Similarity 39.3%; Pred. No. 34;  
Matches 11; Conservative 3; Mismatches 12; Indels 2; Gaps 1;

Qy 2 WQDNCCTCTC--YETEMQDNCCTCTC 27  
Db 333 WVDSCCTCTCKKFKTICHQITCPATC 360

RESULT 6  
US-09-627-650B-5  
Sequence 5, Application US/09627650B  
Patent No. 6406872  
GENERAL INFORMATION:  
APPLICANT: Bamber, Bruce  
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
FILE REFERENCE: 21101.0009U3  
CURRENT APPLICATION NUMBER: US/09/627,650B  
PRIOR FILING DATE: 2000-07-28  
PRIOR APPLICATION NUMBER: 09/436,063  
PRIOR FILING DATE: 1999-11-08  
PRIOR APPLICATION NUMBER: 60/107,727  
NUMBER OF SEQ ID NOS: 50  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 5  
LENGTH: 1917  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-627-650B-5

Query Match 30.2% Score 58.5; DB 4; Length 1917;  
Best Local Similarity 54.2%; Pred. No. 1.3e+02;  
Matches 13; Conservative 0; Mismatches 10; Indels 1; Gaps 1;  
Qy 4 TDNCCTCTCYETEMQDNCCTCTC 27  
Db 61 TTACATCTCTCTGTCTCTC-TCTC 83

RESULT 7  
US-09-436-063C-5  
Sequence 5, Application US/09436063C  
Patent No. 6407210  
GENERAL INFORMATION:  
APPLICANT: Bamber, Bruce  
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
FILE REFERENCE: P-1095corrected  
CURRENT APPLICATION NUMBER: US/09/436,063C  
PRIOR FILING DATE: 1999-11-08  
PRIOR APPLICATION NUMBER: 60/107727  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 5  
LENGTH: 1917  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-436-063C-5

Query Match 30.2% Score 58.5; DB 4; Length 1917;  
Best Local Similarity 54.2%; Pred. No. 1.3e+02;  
Matches 13; Conservative 0; Mismatches 10; Indels 1; Gaps 1;

Qy 4 TDNCCTCTCYETEMQDNCCTCTC 27  
Db 61 TTACATCTCTCTGTCTCTC-TCTC 83

RESULT 8  
US-09-543-681A-6461  
Sequence 6461, Application US/09543681A  
Patent No. 6605709  
GENERAL INFORMATION:  
APPLICANT: GARY BRETON  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
FILE REFERENCE: 2709.1002-001  
CURRENT APPLICATION NUMBER: US/09/543,681A  
PRIOR FILING DATE: 2000-04-05  
PRIOR APPLICATION NUMBER: US 60/128,706  
NUMBER OF SEQ ID NOS: 8344  
SEQ ID NO 6461  
LENGTH: 290  
TYPE: PRT  
ORGANISM: Proteus mirabilis  
US-09-543-681A-6461

Query Match 29.9% Score 58; DB 4; Length 290;  
Best Local Similarity 35.1%; Pred. No. 25;  
Matches 13; Conservative 3; Mismatches 9; Indels 12; Gaps 3;  
Qy 5 DNCCTCTCTCYE-----TEMQDNCCTCTCTCYE 29  
Db 50 DNGGCIATCPQALSLQNGVIMNADSCGCDCTCIQ 86

RESULT 9  
US-09-724-864-44  
Sequence 44, Application US/09724864  
Patent No. 6380362  
GENERAL INFORMATION:  
APPLICANT: Watson, James D  
TITLE OF INVENTION: Polynucleotides, polypeptides expressed  
FILE REFERENCE: 11000.1050U1  
CURRENT APPLICATION NUMBER: US/09/724,864  
PRIOR FILING DATE: 2000-11-28  
PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678  
PRIOR FILING DATE: 1999-12-23  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 44  
LENGTH: 466  
TYPE: PRT  
ORGANISM: Mouse  
US-09-724-864-44

Query Match 29.9% Score 58; DB 3; Length 466;  
Best Local Similarity 50.0%; Pred. No. 39;  
Matches 11; Conservative 2; Mismatches 7; Indels 2; Gaps 2;  
Qy 5 DNCCTCTCTCYE-TEMQDNCCTCTC 25  
Db 119 DNCNRCTCHGEGHWCDO-EPC 139

RESULT 10  
US-08-036-555B-40  
Sequence 40, Application US/08036555B  
Patent No. 5530109  
GENERAL INFORMATION:  
APPLICANT: Goodheart, Andrew; Stroobant, Paul;  
APPLICANT: Mingshetti, Luita; Waterfield, Michael; Marchioni, Mark;

```

: APPLICANT: Chen, Maio Su; Hiles, Ian
: TITLE OF INVENTION: Glial Mitogenic Factors, Their
: NUMBER OF SEQUENCES: 184
: CORRESPONDENCE ADDRESSES:
: ADDRESS: Felfe & Lynch
: STREET: 805 Third Avenue
: CITY: New York City
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
: COMPUTER: IBM
: OPERATING SYSTEM: PC-DOS
: SOFTWARE: Wordperfect
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/036,555B
: FILING DATE: 24-MAR-1993
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/965,173
: FILING DATE: 23-OCT-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/940,389
: FILING DATE: 03-SEP-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/907,138
: FILING DATE: 30-JUN-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/863,703
: FILING DATE: 03-APRIL-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: U.K. 91 07566.3
: FILING DATE: 10-APRIL-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Tsai, Christine H.
: REGISTRATION NUMBER: 34,266
: REFERENCE/DOCKET NUMBER: LUD 5250.4
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 688-9200
: TELEFAX: (212) 838-3884
: INFORMATION FOR SEQ ID NO: 40:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 39
: TYPE: amino acid
: STRANDEDNESS:
: TOPOLOGY: linear
: US-08-036-555B-40
:
: Query Match 29.6%; Score 57.5; DB 1; Length 39;
: Best Local Similarity 47.6%; Pred. No. 4.1;
: Matches 10; Conservative 0; Mismatches 2; Indels 9; Gaps 1;
:
: QY 7 CECTCYETEMQDNCCTCTC 27
: Db 25 CTTCTC-----CTTCTC 36
:
: RESULT 11
: US-08-469-569-40
: Sequence 40, Application US/08469569
: Patent No. 5606032
: GENERAL INFORMATION:
: APPLICANT: Goodearl, Andrew; Stroobant, Paul;
: APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
: APPLICANT: Chen, Maio Su; Hiles, Ian
: TITLE OF INVENTION: Glial Mitogenic Factors, Their
: NUMBER OF SEQUENCES: 184
: CORRESPONDENCE ADDRESSES:
: ADDRESS: Felfe & Lynch
: STREET: 805 Third Avenue
: CITY: New York
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:

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: CITY: New York City
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
: COMPUTER: IBM
: OPERATING SYSTEM: PC-DOS
: SOFTWARE: Wordperfect
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/469,569
: FILING DATE: 06-JUN-1995
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/036,555
: FILING DATE: 24-MAR-1993
: APPLICATION NUMBER: 07/965,173
: FILING DATE: 23-OCT-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/940,389
: FILING DATE: 03-SEP-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/907,138
: FILING DATE: 30-JUN-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/863,703
: FILING DATE: 03-APRIL-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: U.K. 91 07566.3
: FILING DATE: 10-APRIL-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Tsai, Christine H.
: REGISTRATION NUMBER: 34,266
: REFERENCE/DOCKET NUMBER: LUD 5250.4
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 688-9200
: TELEFAX: (212) 838-3884
: INFORMATION FOR SEQ ID NO: 40:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 39
: TYPE: amino acid
: STRANDEDNESS:
: TOPOLOGY: linear
: US-08-469-569-40
:
: Query Match 29.6%; Score 57.5; DB 1; Length 39;
: Best Local Similarity 47.6%; Pred. No. 4.1;
: Matches 10; Conservative 0; Mismatches 2; Indels 9; Gaps 1;
:
: QY 7 CECTCYETEMQDNCCTCTC 27
: Db 25 CTTCTC-----CTTCTC 36
:
: RESULT 12
: US-08-249-322A-40
: Sequence 40, Application US/08249322A
: Patent No. 5716930
: GENERAL INFORMATION:
: APPLICANT: Goodearl, Andrew; Stroobant, Paul;
: APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
: APPLICANT: Chen, Maio Su; Hiles, Ian
: TITLE OF INVENTION: Glial Mitogenic Factors, Their
: NUMBER OF SEQUENCES: 184
: CORRESPONDENCE ADDRESSES:
: ADDRESS: Felfe & Lynch
: STREET: 805 Third Avenue
: CITY: New York City
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:

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MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: WordPerfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/249,322A  
FILING DATE: 26-MAY-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 24-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: U.K. 91 07566.3  
FILING DATE: 10-APRIL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Tsai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 250.4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 39  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-249-322A-40

Query Match 29.6%; Score 57.5; DB 1; Length 39;  
Best Local Similarity 47.6%; Pred. No. 4.1;  
Matches 10; Conservative 0; Mismatches 2; Indels 9; Gaps 1;

QY 7 CETCTCYETEMQDNCETCTC 27  
Db 25 CTCTCTC-----CTCTCTC 36

RESULT 13  
US-08-469-526A-40  
Sequence 40, Application US/08469526A  
Patent No. 5792849  
GENERAL INFORMATION:  
APPLICANT: Goodearl, Andrew  
APPLICANT: Stroobant, Paul  
APPLICANT: Minghetti, Luisa  
APPLICANT: Waterfield, Michael  
APPLICANT: Marchionni, Mark  
APPLICANT: Hiles, Ian  
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR  
PREPARATION AND USE  
TITLE OF INVENTION: 187  
NUMBER OF SEQUENCES: 187  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Clark & Elbing LLP  
STREET: 176 Federal Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110  
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,526A  
FILING DATE: 06 June 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 24-MAR-1993  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 03-JUN-1992  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
APPLICATION NUMBER: U.K. 91 07566.3  
FILING DATE: 10-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Bieker-Brady, Kristina  
REGISTRATION NUMBER: 39,109  
REFERENCE/DOCKET NUMBER: 04585/00200A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-428-7045  
TELEFAX: 617-428-7045  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 39  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-469-526A-40

Query Match 29.6%; Score 57.5; DB 1; Length 39;  
Best Local Similarity 47.6%; Pred. No. 4.1;  
Matches 10; Conservative 0; Mismatches 2; Indels 9; Gaps 1;

QY 7 CETCTCYETEMQDNCETCTC 27  
Db 25 CTCTCTC-----CTCTCTC 36

RESULT 14  
US-08-734-591A-40  
Sequence 40, Application US/08734591A  
Patent No. 5854220  
GENERAL INFORMATION:  
APPLICANT: Goodearl, Andrew  
APPLICANT: Stroobant, Paul  
APPLICANT: Minghetti, Luisa  
APPLICANT: Waterfield, Michael  
APPLICANT: Hiles, Ian  
APPLICANT: Marchionni, Mark  
APPLICANT: Chen, Mario  
TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR  
PREPARATION AND USE  
TITLE OF INVENTION: 187  
NUMBER OF SEQUENCES: 187  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Clark & Elbing LLP  
STREET: 176 Federal Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02110  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
COMPUTER: IBM Compatible Pentium  
OPERATING SYSTEM: Windows95  
SOFTWARE: WordPerfect (Version 7.0)  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/734,591A  
FILING DATE: 22-OCT-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/470,335  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 03-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: UK 91 07566.3  
FILING DATE: 10-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Bleker-Brady, Kristina  
REGISTRATION NUMBER: 39,109  
REFERENCE/DOCKET NUMBER: 04585/00200P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 428-0200  
TELEFAX: (617) 428-7045  
TELEX:  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 39  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-734-591A-40

Query March 29.6%; Score 57.5; DB 2; Length 39;  
Best Local Similarity 47.6%; Pred. No. 4.1;  
Matches 10; Conservative 0; Mismatches 2; Indels 9; Gaps 1;

QY 7 CECTCYETEMQNDNCTCTC 27  
| | | | |  
Db 25 CTTCTC-----CTTCTC 36

RESULT 15  
US-08-469-660-40  
Sequence 40, Application US/08469660  
Patent No. 5876973  
GENERAL INFORMATION:  
APPLICANT: Gwyne, David I.; Marchionni, Mark;  
APPLICANT: McBurney, Robert N.  
TITLE OF INVENTION: INHIBITORS OF CELL PROLIFERATION,  
NUMBER OF SEQUENCES: 184  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Fish & Richardson  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: Massachusetts  
ZIP: 0211-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,660  
FILING DATE:

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/011,396  
FILING DATE: 29-JAN-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/984,085  
FILING DATE: 01-DEC-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/951,747  
FILING DATE: 25-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/927,337  
FILING DATE: 10-AUG-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Clark, Paul T.  
REGISTRATION NUMBER: 30,162  
REFERENCE/DOCKET NUMBER: 04585/017004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-5070  
TELEFAX: 200154  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 39  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-469-660-40

Query March 29.6%; Score 57.5; DB 2; Length 39;  
Best Local Similarity 47.6%; Pred. No. 4.1;  
Matches 10; Conservative 0; Mismatches 2; Indels 9; Gaps 1;

QY 7 CECTCYETEMQNDNCTCTC 27  
| | | | |  
Db 25 CTTCTC-----CTTCTC 36

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Job time : 16.3818 secs

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## OM protein - protein search, using sw model

Run on: July 27, 2005, 19:20:53 ; Search time 56.6182 Seconds  
(without alignments)  
206.113 Million cell updates/sec

Title: US-09-977-406A-90  
Perfect score: 194  
Sequence: 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1741741 seqs, 388992284 residues

Total number of hits satisfying chosen parameters: 1741741

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA:\*

- 1: /cgn2\_6/ptodata/1/pubppaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubppaa/PCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubppaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubppaa/US06\_PUBCOMB.pep:\*
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- 6: /cgn2\_6/ptodata/1/pubppaa/PCTUS\_PUBCOMB.pep:\*
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- 9: /cgn2\_6/ptodata/1/pubppaa/US09A\_PUBCOMB.pep:\*
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- 11: /cgn2\_6/ptodata/1/pubppaa/US09C\_PUBCOMB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubppaa/US09\_NEW\_PUB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubppaa/US10A\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubppaa/US10B\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/1/pubppaa/US10C\_PUBCOMB.pep:\*
- 16: /cgn2\_6/ptodata/1/pubppaa/US10E\_PUBCOMB.pep:\*
- 17: /cgn2\_6/ptodata/1/pubppaa/US10F\_PUBCOMB.pep:\*
- 18: /cgn2\_6/ptodata/1/pubppaa/US11A\_PUBCOMB.pep:\*
- 19: /cgn2\_6/ptodata/1/pubppaa/US11A\_PUBCOMB.pep:\*
- 20: /cgn2\_6/ptodata/1/pubppaa/US11\_NEW\_PUB.pep:\*
- 21: /cgn2\_6/ptodata/1/pubppaa/US60\_NEW\_PUB.pep:\*
- 22: /cgn2\_6/ptodata/1/pubppaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	194	100.0	30	US-09-977-406A-90	Sequence 90, Appl
2	194	100.0	30	US-10-948-229-89	Sequence 89, Appl
3	194	100.0	30	US-11-004-270-89	Sequence 89, Appl
4	194	100.0	30	US-11-004-273-89	Sequence 89, Appl
5	194	100.0	45	US-09-977-406A-91	Sequence 91, Appl
6	194	100.0	45	US-10-948-229-90	Sequence 90, Appl
7	194	100.0	45	US-11-004-270-80	Sequence 90, Appl
8	194	100.0	45	US-11-004-273-80	Sequence 90, Appl
9	194	100.0	60	US-09-977-406A-92	Sequence 92, Appl
10	194	100.0	60	US-10-948-229-91	Sequence 91, Appl
11	194	100.0	60	US-11-004-270-91	Sequence 91, Appl

12	194	100.0	60	US-11-004-273-91	Sequence 91, Appl
13	110	56.7	35	US-09-977-406A-29	Sequence 29, Appl
14	110	56.7	35	US-10-948-229-28	Sequence 28, Appl
15	110	56.7	35	US-11-004-270-28	Sequence 28, Appl
16	110	56.7	35	US-11-004-273-28	Sequence 28, Appl
17	110	56.7	36	US-09-977-406A-30	Sequence 30, Appl
18	110	56.7	36	US-10-948-229-29	Sequence 29, Appl
19	110	56.7	36	US-11-004-270-29	Sequence 29, Appl
20	110	56.7	36	US-11-004-273-29	Sequence 29, Appl
21	110	56.7	37	US-09-977-406A-31	Sequence 31, Appl
22	110	56.7	37	US-10-948-229-30	Sequence 30, Appl
23	110	56.7	37	US-11-004-270-30	Sequence 30, Appl
24	110	56.7	37	US-11-004-273-30	Sequence 30, Appl
25	110	56.7	38	US-09-977-406A-32	Sequence 32, Appl
26	110	56.7	38	US-10-948-229-31	Sequence 31, Appl
27	110	56.7	38	US-11-004-270-31	Sequence 31, Appl
28	110	56.7	38	US-11-004-273-31	Sequence 31, Appl
29	110	56.7	39	US-09-977-406A-33	Sequence 33, Appl
30	110	56.7	39	US-10-948-229-32	Sequence 32, Appl
31	110	56.7	39	US-11-004-270-32	Sequence 32, Appl
32	110	56.7	39	US-11-004-273-32	Sequence 32, Appl
33	110	56.7	40	US-09-977-406A-34	Sequence 34, Appl
34	110	56.7	40	US-10-948-229-33	Sequence 33, Appl
35	110	56.7	40	US-11-004-270-33	Sequence 33, Appl
36	110	56.7	40	US-11-004-273-33	Sequence 33, Appl
37	110	56.7	41	US-09-977-406A-35	Sequence 35, Appl
38	110	56.7	41	US-10-948-229-34	Sequence 34, Appl
39	110	56.7	41	US-11-004-270-34	Sequence 34, Appl
40	110	56.7	41	US-11-004-273-34	Sequence 34, Appl
41	110	56.7	42	US-09-977-406A-36	Sequence 36, Appl
42	110	56.7	42	US-10-948-229-35	Sequence 35, Appl
43	110	56.7	42	US-11-004-270-35	Sequence 35, Appl
44	110	56.7	42	US-11-004-273-35	Sequence 35, Appl
45	110	56.7	43	US-09-977-406A-37	Sequence 37, Appl

## ALIGNMENTS

RESULT 1  
US-09-977-406A-90  
; Sequence 90, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977, 406A  
; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 90  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from PCK3145 sequence (polypeptide analog)  
US-09-977-406A-90

Query Match 100.0%; Score 194; DB 10; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1; Se-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
|||  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 2

US-10-948-229-89  
; Sequence 89, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 89  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-89

Query Match 100.0%; Score 194; DB 17; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1,5e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EMOTDNCETCTCYETEMOTDNCETCTCYET 30  
Db 1 EMOTDNCETCTCYETEMOTDNCETCTCYET 30

RESULT 3  
US-11-004-270-89  
; Sequence 89, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 89  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-89

Query Match 100.0%; Score 194; DB 20; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1,5e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 EMOTDNCETCTCYETEMOTDNCETCTCYET 30  
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Db 1 EMOTDNCETCTCYETEMOTDNCETCTCYET 30

RESULT 4  
US-11-004-273-89  
; Sequence 89, Application US/11004273  
; Publication No. US2005014851A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 89  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-89

Query Match 100.0%; Score 194; DB 20; Length 30;  
Best Local Similarity 100.0%; Pred. No. 1,5e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EMOTDNCETCTCYETEMOTDNCETCTCYET 30  
Db 1 EMOTDNCETCTCYETEMOTDNCETCTCYET 30

RESULT 5  
US-09-977-406A-91  
; Sequence 91, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977,406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 91  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from PCK3145 sequence (polypeptide analog)  
US-09-977-406A-91

Query Match 100.0%; Score 194; DB 10; Length 45;  
Best Local Similarity 100.0%; Pred. No. 2,2e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
 Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 6

US-10-948-229-90  
 ; Sequence 90, Application US/10948229  
 ; Publication No. US20050096273A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Panchal, Chandra J  
 ; APPLICANT: Daigneault, Luc  
 ; APPLICANT: Hawkins, Robert  
 ; APPLICANT: Ruiz, Marcia  
 ; APPLICANT: Seema  
 ; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
 ; FILE REFERENCE: BKP-022  
 ; CURRENT APPLICATION NUMBER: US/10/948, 229  
 ; CURRENT FILING DATE: 2004-09-24  
 ; PRIOR APPLICATION NUMBER: CA 2,441,695  
 ; PRIOR FILING DATE: 2003-09-26  
 ; NUMBER OF SEQ ID NOS: 91  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO 90  
 ; LENGTH: 45  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: PSP94 family member  
 US-10-948-229-90

Query Match 100.0%; Score 194; DB 17; Length 45;  
 Best Local Similarity 100.0%; Pred. No. 2.2e-14;  
 Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
 Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 7

US-11-004-270-90  
 ; Sequence 90, Application US/11004270  
 ; Publication No. US20050147601A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Panchal, Chandra J.  
 ; APPLICANT: Wu, Jinzi  
 ; APPLICANT: Beliveau, Richard  
 ; APPLICANT: Ruiz, Marcia  
 ; APPLICANT: Garde, Seema  
 ; APPLICANT: Annabi, Borhane  
 ; APPLICANT: Lamy, Sylvie  
 ; APPLICANT: Bouzeghrane, Mounia  
 ; APPLICANT: Daigneault, Luc  
 ; APPLICANT: Hawkins, Robert  
 ; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
 ; FILE REFERENCE: BKP-020  
 ; CURRENT APPLICATION NUMBER: US/11/004,270  
 ; CURRENT FILING DATE: 2004-12-02  
 ; PRIOR APPLICATION NUMBER: US 10/948,229  
 ; PRIOR FILING DATE: 2004-09-24  
 ; PRIOR APPLICATION NUMBER: CA 2,441,695  
 ; PRIOR FILING DATE: 2003-09-26  
 ; NUMBER OF SEQ ID NOS: 99  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO 90  
 ; LENGTH: 45  
 ; TYPE: PRT  
 ; ORGANISM: Artificial  
 ; FEATURE:  
 ; OTHER INFORMATION: PCK3145 derivative  
 US-11-004-270-90

Query Match 100.0%; Score 194; DB 20; Length 45;  
 Best Local Similarity 100.0%; Pred. No. 2.2e-14;  
 Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
 Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 8

US-11-004-273-90  
 ; Sequence 90, Application US/11004273  
 ; Publication No. US20050148514A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Panchal, Chandra J.  
 ; APPLICANT: Wu, Jinzi  
 ; APPLICANT: Beliveau, Richard  
 ; APPLICANT: Ruiz, Marcia  
 ; APPLICANT: Garde, Seema  
 ; APPLICANT: Annabi, Borhane  
 ; APPLICANT: Lamy, Sylvie  
 ; APPLICANT: Bouzeghrane, Mounia  
 ; APPLICANT: Daigneault, Luc  
 ; APPLICANT: Hawkins, Robert  
 ; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
 ; FILE REFERENCE: BKP-021  
 ; CURRENT APPLICATION NUMBER: US/11/004,273  
 ; CURRENT FILING DATE: 2004-12-02  
 ; PRIOR APPLICATION NUMBER: US 10/948,229  
 ; PRIOR FILING DATE: 2004-09-24  
 ; PRIOR APPLICATION NUMBER: CA 2,441,695  
 ; PRIOR FILING DATE: 2003-09-26  
 ; NUMBER OF SEQ ID NOS: 99  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO 90  
 ; LENGTH: 45  
 ; TYPE: PRT  
 ; ORGANISM: Artificial  
 ; FEATURE:  
 ; OTHER INFORMATION: PCK3145 derivative  
 US-11-004-273-90

Query Match 100.0%; Score 194; DB 20; Length 45;  
 Best Local Similarity 100.0%; Pred. No. 2.2e-14;  
 Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
 Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 9

US-09-977-406A-92  
 ; Sequence 92, Application US/09977406A  
 ; Publication No. US20030170220A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: PROCYON BIOPHARMA INC.  
 ; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
 ; FILE REFERENCE: 06508-030-US-03  
 ; CURRENT APPLICATION NUMBER: US/09/977,406A  
 ; CURRENT FILING DATE: 2001-10-15  
 ; PRIOR APPLICATION NUMBER: CA 2,321,256  
 ; PRIOR FILING DATE: 2000-10-16  
 ; PRIOR APPLICATION NUMBER: CA 2,355,334  
 ; PRIOR FILING DATE: 2001-08-20  
 ; NUMBER OF SEQ ID NOS: 92  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 92  
 ; LENGTH: 60  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Polypeptide derived from PCK3145 sequence (polypeptide analog)  
 US-09-977-406A-92

US-09-977-406A-92

Query Match 100.0%; Score 194; DB 10; Length 60;  
Best Local Similarity 100.0%; Pred. No. 2.8e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 10

US-10-948-229-91

Sequence 91, Application US/10948229  
Publication No. US20050096273A1

GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
FILE REFERENCE: BKP-022  
CURRENT APPLICATION NUMBER: US/10/948,229  
CURRENT FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 91  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 91  
LENGTH: 60  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: PSP94 family member  
US-10-948-229-91

Query Match 100.0%; Score 194; DB 17; Length 60;  
Best Local Similarity 100.0%; Pred. No. 2.8e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 11

US-11-004-270-91

Sequence 91, Application US/11004270  
Publication No. US20050147601A1

GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Bellevue, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane  
APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeghrane, Mounia  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
FILE REFERENCE: BKP-020  
CURRENT APPLICATION NUMBER: US/11/004,270  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 91  
LENGTH: 60

TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-91

Query Match 100.0%; Score 194; DB 20; Length 60;  
Best Local Similarity 100.0%; Pred. No. 2.8e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 12

US-11-004-273-91

Sequence 91, Application US/11004273  
Publication No. US20050148514A1

GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Bellevue, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane  
APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeghrane, Mounia  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
FILE REFERENCE: BKP-021  
CURRENT APPLICATION NUMBER: US/11/004,273  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 91  
LENGTH: 60  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-91

Query Match 100.0%; Score 194; DB 20; Length 60;  
Best Local Similarity 100.0%; Pred. No. 2.8e-14;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 13

US-09-977-406A-29

Sequence 29, Application US/09977406A  
Publication No. US20030170220A1

GENERAL INFORMATION:  
APPLICANT: PROCYON BIOPHARMA INC.  
TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
FILE REFERENCE: 06508-030-US-03  
CURRENT APPLICATION NUMBER: US/09/977,406A  
CURRENT FILING DATE: 2001-10-15  
PRIOR APPLICATION NUMBER: CA 2,321,256  
PRIOR FILING DATE: 2000-10-16  
PRIOR APPLICATION NUMBER: CA 2,355,334  
PRIOR FILING DATE: 2001-08-20  
NUMBER OF SEQ ID NOS: 92  
SOFTWARE: PatentIn version 3.1



SEQ ID NO 29  
LENGTH: 35  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Polypeptide derived from rhuPSP94 sequence (polypeptide analog)  
US-09-977-406a-29

Query Match 56.7%; Score 110; DB 10; Length 35;  
Best Local Similarity 54.3%; Pred. No. 2.7e-05;  
Matches 19; Conservative 2; Mismatches 2; Indels 12; Gaps 1;

QY 1 EMQDNCETCTCYETE-----WQDNCB 23  
Db 1 EMQDNCETCTCYETEISCTLVSTPGYDKDNCQ 35

RESULT 14  
US-10-948-229-28  
Sequence 28, Application US/10948229  
Publication No. US20050096273A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
FILE REFERENCE: BKP-022  
CURRENT APPLICATION NUMBER: US/10/948, 229  
CURRENT FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 91  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 28  
LENGTH: 35  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: PSP94 family member  
US-10-948-229-28

Query Match 56.7%; Score 110; DB 17; Length 35;  
Best Local Similarity 54.3%; Pred. No. 2.7e-05;  
Matches 19; Conservative 2; Mismatches 2; Indels 12; Gaps 1;

QY 1 EMQDNCETCTCYETE-----WQDNCB 23  
Db 1 EMQDNCETCTCYETEISCTLVSTPGYDKDNCQ 35

RESULT 15  
US-11-004-270-28  
Sequence 28, Application US/11004270  
Publication No. US20050147601A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Belliveau, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane  
APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeignane, Mounia  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
FILE REFERENCE: BKP-020  
CURRENT APPLICATION NUMBER: US/11/004,270  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24

PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 28  
LENGTH: 35  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-28

Query Match 56.7%; Score 110; DB 20; Length 35;  
Best Local Similarity 54.3%; Pred. No. 2.7e-05;  
Matches 19; Conservative 2; Mismatches 2; Indels 12; Gaps 1;

QY 1 EMQDNCETCTCYETE-----WQDNCB 23  
Db 1 EMQDNCETCTCYETEISCTLVSTPGYDKDNCQ 35

Search completed: July 27, 2005, 20:06:05  
Job time : 56.6182 secs

*This Page Blank (uspto)*

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: July 27, 2005, 19:08:08 / Search time 23.0727 Seconds  
(without alignments)  
145.592 Million cell updates/sec

Title: US-09-977-406a-91

Perfect score: 1 EWQDNCCTCYETEWQTD.....TCYETEWQDNCCTCYET 45

Sequence: BLOSUM62

Scoring table: Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Issued Patents AA: \*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep: \*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep: \*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep: \*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep: \*  
5: /cgn2\_6/ptodata/1/1aa/PTUS.COMB.pep: \*  
6: /cgn2\_6/ptodata/1/1aa/backfiltest.pep: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	119	40.9	94	US-07-899-535A-1	Sequence 1, Appli
2	119	40.9	114	US-09-513-999C-7807	Sequence 7807, Ap
3	75	25.8	1036	US-09-949-016-6910	Sequence 6910, Ap
4	75	25.8	1049	US-09-949-016-11522	Sequence 11522, A
5	71	24.4	1917	US-09-627-650B-5	Sequence 5, Appli
6	71	24.4	1917	US-09-436-063C-5	Sequence 5, Appli
7	66.5	22.9	1045	US-09-949-016-11112	Sequence 11112, A
8	66.5	22.9	1172	US-08-313-288B-19	Sequence 19, Appli
9	66.5	22.9	1172	US-09-949-016-6333	Sequence 6333, Ap
10	66	22.7	179	US-09-270-767-3787	Sequence 3787, A
11	66	22.7	179	US-09-270-767-48004	Sequence 48004, A
12	66	22.7	801	US-07-906-349A-6	Sequence 6, Appli
13	65.5	22.5	39	US-08-036-555B-40	Sequence 40, Appli
14	65.5	22.5	39	US-08-469-569-40	Sequence 40, Appli
15	65.5	22.5	39	US-08-249-322A-40	Sequence 40, Appli
16	65.5	22.5	39	US-08-469-526A-40	Sequence 40, Appli
17	65.5	22.5	39	US-08-734-591A-40	Sequence 40, Appli
18	65.5	22.5	39	US-08-469-660-40	Sequence 40, Appli
19	65.5	22.5	39	US-08-735-021-40	Sequence 40, Appli
20	65.5	22.5	39	US-08-734-664A-40	Sequence 40, Appli
21	65.5	22.5	39	PCT-US94-05083C-40	Sequence 40, Appli
22	65.5	22.5	39	PCT-US95-06846A-40	Sequence 40, Appli
23	65	22.3	816	US-08-190-802A-54	Sequence 54, Appli
24	65	22.3	816	US-08-477-346-54	Sequence 54, Appli
25	65	22.3	816	US-08-473-089-54	Sequence 54, Appli
26	65	22.3	816	US-08-487-072A-54	Sequence 54, Appli
27	64.5	22.2	100	US-09-252-991A-24179	Sequence 24179, A

28	64.5	22.2	1587	4	US-09-845-583A-10	Sequence 10, Appli
29	64.5	22.2	1587	4	US-09-561-709B-3	Sequence 3, Appli
30	64	22.0	155	1	US-08-468-347-19	Sequence 19, Appli
31	64	22.0	155	2	US-08-467-389-19	Sequence 19, Appli
32	64	22.0	155	2	US-08-779-379-19	Sequence 19, Appli
33	64	22.0	155	2	US-08-469-219-19	Sequence 19, Appli
34	64	22.0	155	3	US-09-228-152-18	Sequence 18, Appli
35	64	22.0	197	1	US-08-468-347-24	Sequence 24, Appli
36	64	22.0	197	2	US-08-467-389-24	Sequence 24, Appli
37	64	22.0	197	2	US-08-779-379-24	Sequence 24, Appli
38	64	22.0	197	2	US-08-469-219-24	Sequence 24, Appli
39	64	22.0	197	3	US-09-228-152-24	Sequence 24, Appli
40	64	22.0	290	4	US-09-543-681A-6461	Sequence 6461, Ap
41	64	22.0	314	2	US-08-460-309-19	Sequence 19, Appli
42	64	22.0	314	2	US-08-125-077-19	Sequence 19, Appli
43	64	22.0	2508	4	US-09-627-650B-7	Sequence 7, Appli
44	64	22.0	2508	4	US-09-436-063C-7	Sequence 7, Appli
45	64	22.0	2544	4	US-09-627-650B-3	Sequence 3, Appli

## ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
; Sequence 1, Application US/07899535A  
; Patent No. 5428011  
; GENERAL INFORMATION:  
; APPLICANT: Sheth, Anil R.  
; APPLICANT: Garde, Seema  
; APPLICANT: Panchal, Chandra J.  
; TITLE OF INVENTION: Pharmaceutical Preparations For  
; TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate  
; TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Mr. George Loud  
; STREET: 2001 Jefferson Davis Highway, Suite 306  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/899,535A  
; FILING DATE: 16-JUN-1992  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Loud, George A.  
; REGISTRATION NUMBER: 25,814  
; REFERENCE/DOCKET NUMBER: S&B-A835  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-415-0960  
; TELEFAX: 703-415-0962  
; TELEX: 24 8614  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 94 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYDROTHERMAL: NO  
; US-07-899-535A-1

Query Match 40.9%; Score 119; DB 1; Length 94;  
Best Local Similarity 40.3%; Pred. No. 1.2e-05;  
Matches 25; Conservative 2; Mismatches 5; Indels 30; Gaps 3;

QY 1 EMQDNCETCTCYETE-----WQDNC-----ETC-----TCVET 30  
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Db 31 EMQDNCETCTCTCYETEISCTTIVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKTKSVS 90  
|||  
QY 31 EW 32  
||  
Db 91 EW 92

RESULT 2  
US-09-513-999C-7807  
; Sequence 7807, Application US/09513999C  
; Patent No. 6783961  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert, A.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; Patent No. 6783961  
; FILE REFERENCE: 59.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/513,999C  
; CURRENT FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/122,487  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 7807  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: -20...-1  
; OTHER INFORMATION: score 9  
; OTHER INFORMATION: seq VVIFATFVTLGNA/SC  
US-09-513-999C-7807

Query Match 40.9%; Score 119; DB 4; Length 114;  
Best Local Similarity 40.3%; Pred. No. 1.4e-05;  
Matches 25; Conservative 2; Mismatches 5; Indels 30; Gaps 3;  
QY 1 EMQDNCETCTCYETE-----WQDNC-----ETC-----TCVET 30  
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Db 51 EMQDNCETCTCTCYETEISCTTIVSTPVGYDKDNCORIFKEDCKYIVVEKKDPKTKSVS 110  
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QY 31 EW 32  
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Db 111 EW 112

RESULT 3  
US-09-949-016-6910  
; Sequence 6910, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CU001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6910  
; LENGTH: 1036  
; TYPE: PRT  
; ORGANISM: Human

US-09-949-016-6910  
Query Match 25.8%; Score 75; DB 4; Length 1036;  
Best Local Similarity 22.7%; Pred. No. 3.3;  
Matches 20; Conservative 6; Mismatches 18; Indels 44; Gaps 4;  
QY 2 WQDNCETCTCY-----ETE-----WQDNCETCT----- 26  
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Db 693 WNDISCTQCTCHSGRVLCETEVCPPLCQNPSTRQDSCCPQCTDQPPRPSLRNNSVPNY 752  
|||  
QY 27 CYETE-----WQDNCETCTCYET 45  
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Db 753 CKNDEGDIFLAESWKPDVCTSCICIDS 780

RESULT 4  
US-09-949-016-11522  
; Sequence 11522, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CU001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11522  
; LENGTH: 1049  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-11522

Query Match 25.8%; Score 75; DB 4; Length 1049;  
Best Local Similarity 22.7%; Pred. No. 3.3;  
Matches 20; Conservative 6; Mismatches 18; Indels 44; Gaps 4;  
QY 2 WQDNCETCTCY-----ETE-----WQDNCETCT----- 26  
|||  
Db 706 WNDISCTQCTCHSGRVLCETEVCPPLCQNPSTRQDSCCPQCTDQPPRPSLRNNSVPNY 765  
|||  
QY 27 CYETE-----WQDNCETCTCYET 45  
|||  
Db 766 CKNDEGDIFLAESWKPDVCTSCICIDS 793

RESULT 5  
US-09-627-650B-5  
; Sequence 5, Application US/09627650B  
; Patent No. 6406872  
; GENERAL INFORMATION:  
; APPLICANT: Jorgensen, Erik  
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
; FILE REFERENCE: 21101.000903  
; CURRENT APPLICATION NUMBER: US/09/627,650B  
; CURRENT FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: 09/436,063  
; PRIOR FILING DATE: 1999-11-08  
; PRIOR APPLICATION NUMBER: 60/107,727  
; PRIOR FILING DATE: 1998-11-09  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 1917

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; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-5

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Query Match	24.4%	Score 71;	DB 4;	Length 1917;
Best Local Similarity	44.1%;	Pred. No. 15;		
Matches	15;	Conservative	0;	Mismatches 13;
			Indels	6;
			Gaps	2;

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Oy      9  TCTCCTEMQDNCERCCTCYETEMQDNCERCCTC 42
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Db      1823  TCTC-----TTATCTTCTC-AAAGATGGCATGGC 1850

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RESULT 6  
US-09-436-063C-5  
; Sequence 5, Application US/09436063C

Query Match	24.4%	Score 71;	DB 4;	Length 1917;
Best Local Similarity	44.1%;	Pred. No. 15;		
Matches 15; Conservative	0;	Mismatches 13;	Indels 6;	Gaps 2

Oy 9 TCTCTETEMQTDNCETCTCTCTETEMQTDNCETCTC 42  
 |||||  
 Db 1823 TCTC-----TTATCTTCTC-AAAGATGCATCGC 1850

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RESULT 7
US-09-949-016-11112
; Sequence 11112, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11112
; LENGTH: 1045
; TYPE: prt
; ORGANISM: Human
US-09-949-016-11112

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Query Match	22.9%	Score 66.5;	DB 4;	Length 1045;
Best Local Similarity	31.0%	Pred. No. 24;		
Matches	13;	Conservative	7;	Mismatches 19; Indels 3; Gaps 2

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QY      2 WQTDNCECTCTC--YETEMQTDNCECTCTCYETEM-QTDNCECTC 40
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Db      412 WVVDSCTTCTCKKFKTICHQITCPATCASPSFVEGECPCSC 45

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RESULT 8  
US-08-313-288B-19  
; Sequence 19, Application US/08313288E

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1  APPLICANT: Jessell, Thomas M. and Avihu Klar
2  TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
3  TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDINTININ
4  NUMBER OF SEQUENCES: 20

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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

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;
; COMPILER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
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SOFTWARE: PatentIn Release #1.0, Version #1.30

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: 115/08/313 3888

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APPLCATION NUMBER: 08/08/313,2008  
FILING DATE: January 5, 1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
NAME: White, John D

NAME: MILLE, JOHN F.  
REGISTRATION NUMBER: 28.

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION: (313) 376-

TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0526

TELEX:

INFORMATION FOR SEQ ID NO: 19

SEQUENCE CHARACTERISTICS:  
LENGTH: 1172 amino acids

TYPE: amino acid

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STRANDEDNESS: single
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TOPOLOGY: linear

MOLECULE TYPE: peptide  
US-08-313-288B-19

Query Match	22.98%
Query Match	22.98%

Best Local Similarity	31.0%
Matches 13: Conservative	

11/11/2019 11:11:11 AM

2 WQTDNCETCTC--YEYEW

333 WVVDSCTTCTTKKERTT

Query Match	22.9%	Score 66.5;	DB 1;	Length 1172;
Best Local Similarity	31.0%;	Pred. No. 27;		
Matches 13;	Conservative 7;	Mismatches 19;	Indels 3;	Gaps 2

Qy 2 WQDNCETCTC-YETEMQDNCETCTCYETEM-QTDNCETC 40  
| : | | | : | : : : : |  
Db 333 WVVDSCTTCTCKKFKTICHQITCPATCASPSFVEGECPCSPC 374

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RESULT 9
US-09-949-016-6333
; Sequence 6333, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08

```

```

; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows
; SEQ ID NO 6333
; LENGTH: 1172
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6333

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Query Match	22.9%;	Score 66.5;	DB 4;	Length 1172;
Best Local Similarity	31.0%;	Pred. No. 27;		
Matches 13;	Conservative 7;	Mismatches 19;	Indels 3;	Gaps 2;

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QY      2  WQTDNCETCTC--YETEMQTDNCETCTCYETEM-QTDNCETC  40
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Db      333 WVVDCTTCTCKKFKTICHQITPCPATCASPSFVEGECPCSC  374

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RESULT 10
US-09-270-767-32787
; Sequence 32787, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-054
; CURRENT APPLICATION NUMBER: US/09/270,767
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32787
; LENGTH: 179
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-270-767-32787

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Query Match	22.7%	Score 66;	DB 4;	Length 179;
Best Local Similarity	31.2%	Pred. No. 5.3;		
Matches 15; Conservative	6;	Mismatches 11;	Indels 16;	Gaps 4;

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Oy      8  ETCTCYETEMQTDNCETCTCYETE-----WQTDNCETCTC 42
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Db      84  EDCNVVQS-YRKDLGR-CECHNTDARDKCLEQAENKYWVDNC-TVCV 128

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RESULT 11
US-09-270-767-48004
; Sequence 48004, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48004
;
; LENGTH: 179
;
; TYPE: PRT
;
; ORGANISM: Drosophila melanogaster
US-09-270-767-48004

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Query Match	22.7%	Score 66;	DB 4;	Length 179;
Best Local Similarity	31.2%;	Pred. No. 5.3;		
Matches	15;	Conservative	6;	Mismatches 11;
				Indels 16;
				Gaps 4;

QY       8 ETCCTCYETEMQTNDNCETCTCTCTE-----WQTNDNCETCTC 42  
         | : : : | : : |  
Db      84 EDCNVVYS-YRKDLGR-CECHNTDARDKCLEQAENKYWVDNCG-TVCV 128

RESULT 12  
US-07-906-349A-6

; Sequence 6, Application US/07906349A

APPLICANT: Schlessinger, Joseph  
 APPLICANT: Skolnik, Edward Y.  
 APPLICANT: Margolis, Benjamin L.  
 TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR  
 IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES AND  
 TARGET PROTEINS

; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:

```

; ADDRESS: Browdy and Neimark
; STREET: 419 Seventh Street, N.W
; CITY: Washington
;

```

STATE: D.C.  
COUNTRY: USA

ZIP: 20004  
COMPUTER READABLE FORM:

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;
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER:  US/07/906,349A
;

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; FILING DATE: 30-JUN-1992  
 ; CLASSIFICATION: 435  
 ;

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/643,237
;

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FILING DATE: 18-JAN-1991  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528

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; INFORMATION FOR SEQ ID NO: 6
;
; SEQUENCE CHARACTERISTICS:
;
;     LENGTH: 201 amino acids
;

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; LENGTH: 801 amino acids
; TYPE: amino acid
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TOPOLOGY: linear

MOLECULE TYPE: protein  
US-07-906-349A-6

Query Match 22.7%; Score 66; DB 1; Length 801

Best Local Similarity 37.8%; Pred. NO. 21;  
Matches 17; Conservative 0; Mismatches 18; Indels 10; Gaps 2.

4 TDNCETCTCYETEMQTNCET-----CTCYETEMQTNCETCT 41

Db 593 TTTCCTCCTT---TGCTTTTTCATCCTTTTCTCTCTCT 634

## References

RESULTS  
US-08-036-555B-40

sequence 40, Appl  
Patent No. 5530109

GENERAL INFORMATION:  
APPLICANT: Goodearl, Andrew; Stroobant, Paul;  
ADDRESS: Wierobak, Michael; Marsh, Kenneth

APPLICANT: Mingnelli, Luisa; Wallace,  
APPLICANT: Chen, Maio Su; Hiles, Ian  
; ;  
FIELD OF INVENTION: Chief with

[illegible]

NUMBER OF SEQUENCES: 184  
CORRESPONDENCE ADDRESS:  
ADDRESS: 80140 TIT

ADDRESSEE: Felle & Lynch  
STREET: 805 Third Avenue  
CITY: New York City

STATE: New York

COONIKI: USA  
ZIP: 10022  
COMMITTEE HEAD

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTED: IBM

COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wardcraft

SOFTWARE: wordperfect

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/036,555B
; FILING DATE: 24-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,173
; FILING DATE: 23-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/940,389
; FILING DATE: 03-SEP-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/907,138
; FILING DATE: 30-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/863,703
; FILING DATE: 03-APRIL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.K. 91 07566.3
; FILING DATE: 10-APRIL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsai, Christine H.
; REGISTRATION NUMBER: 34,266
; REFERENCE/DOCKET NUMBER: LUD 5250.4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
;
US-08-036-555B-40

Query Match 22.5%; Score 65.5; DB 1; Length 39;
Best Local Similarity 38.2%; Pred. No. 1.4;
Matches 13; Conservative 0; Mismatches 12; Indels 9; Gaps 1;

OY 9 TCTCYETEMQDNCETCTCYETEMQDNCETCTC 42
DB 12 TCACRCAGAGGCTTCTC-----CTTCTC 36

RESULT 14
US-08-469-569-40
; Sequence 40, Application US/08469569
; Patent No. 5606032
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
; APPLICANT: Chen, Miao Su; Hiles, Ian
; TITLE OF INVENTION: Glial Mitogenic Factors, Their
; TITLE OF INVENTION: Preparation and Use
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,569
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/036,555
; FILING DATE: 24-MAR-1993

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; APPLICATION NUMBER: 07/965,173
; FILING DATE: 23-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/940,389
; FILING DATE: 03-SEP-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/907,138
; FILING DATE: 30-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/863,703
; FILING DATE: 03-APRIL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.K. 91 07566.3
; FILING DATE: 10-APRIL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsai, Christine H.
; REGISTRATION NUMBER: 34,266
; REFERENCE/DOCKET NUMBER: LUD 5250.4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
;
US-08-469-569-40

Query Match 22.5%; Score 65.5; DB 1; Length 39;
Best Local Similarity 38.2%; Pred. No. 1.4;
Matches 13; Conservative 0; Mismatches 12; Indels 9; Gaps 1;

OY 9 TCTCYETEMQDNCETCTCYETEMQDNCETCTC 42
DB 12 TCACRCAGAGGCTTCTC-----CTTCTC 36

RESULT 15
US-08-249-322A-40
; Sequence 40, Application US/08249322A
; Patent No. 5716930
; GENERAL INFORMATION:
; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
; APPLICANT: Chen, Miao Su; Hiles, Ian
; TITLE OF INVENTION: Glial Mitogenic Factors, Their
; TITLE OF INVENTION: Preparation and Use
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/249,322A
; FILING DATE: 26-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/036,555
; FILING DATE: 24-MAR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,173
; FILING DATE: 23-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/940,389

```







US-10-948-229-90  
; Sequence 90, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948, 229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 90  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-90

Query Match 100.0%; Score 291; DB 17; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1.3e-22;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET  
Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 3  
US-11-004-270-90  
; Sequence 90, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004, 270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 90  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-90

Query Match 100.0%; Score 291; DB 20; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1.3e-22;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET  
Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 4  
US-11-004-273-90  
; Sequence 90, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004, 273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 90  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-90

Query Match 100.0%; Score 291; DB 20; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1.3e-22;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET  
Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 5  
US-09-977-406A-92  
; Sequence 92, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977, 406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 92  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from PCK3145 sequence (polypeptide analog)  
US-09-977-406A-92

Query Match 100.0%; Score 291; DB 10; Length 60;  
Best Local Similarity 100.0%; Pred. No. 1.6e-22;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 6  
US-10-948-229-91

; Sequence 91, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 91  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-91

Query Match 100.0%; Score 291; DB 17; Length 60;  
Best Local Similarity 100.0%; Pred. No. 1.6e-22;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 7  
US-11-004-270-91

; Sequence 91, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Belliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 91  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-91

Query Match 100.0%; Score 291; DB 20; Length 60;  
Best Local Similarity 100.0%; Pred. No. 1.6e-22;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 8  
US-11-004-273-91

; Sequence 91, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Belliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 91  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-91

Query Match 100.0%; Score 291; DB 20; Length 60;  
Best Local Similarity 100.0%; Pred. No. 1.6e-22;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 9  
US-09-977-406a-90

; Sequence 90, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977,406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 90  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from PCK3145 sequence (polypeptide analog)  
US-11-004-270-91

US-09-977-406a-90

Query Match 66.7%; Score 194; DB 10; Length 30;  
Best Local Similarity 100.0%; Pred. No. 5.5e-13;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 10

US-10-948-229-89  
Sequence 89, Application US/10948229  
Publication No. US20050096273A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
FILE REFERENCE: BKP-022  
CURRENT APPLICATION NUMBER: US/10/948,229  
CURRENT FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 91  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 89  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: PSP94 family member  
US-10-948-229-89

Query Match 66.7%; Score 194; DB 17; Length 30;  
Best Local Similarity 100.0%; Pred. No. 5.5e-13;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 11

US-11-004-270-89  
Sequence 89, Application US/11004270  
Publication No. US20050147601A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Beliveau, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane  
APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeghrane, Mounia  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
FILE REFERENCE: BKP-020  
CURRENT APPLICATION NUMBER: US/11/004,270  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 89  
LENGTH: 30

TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-89

Query Match 66.7%; Score 194; DB 20; Length 30;  
Best Local Similarity 100.0%; Pred. No. 5.5e-13;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 12

US-11-004-273-89  
Sequence 89, Application US/11004273  
Publication No. US2005014851A1  
GENERAL INFORMATION:  
APPLICANT: Panchal, Chandra J.  
APPLICANT: Wu, Jinzi  
APPLICANT: Beliveau, Richard  
APPLICANT: Ruiz, Marcia  
APPLICANT: Garde, Seema  
APPLICANT: Annabi, Borhane  
APPLICANT: Lamy, Sylvie  
APPLICANT: Bouzeghrane, Mounia  
APPLICANT: Daigneault, Luc  
APPLICANT: Hawkins, Robert  
TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
FILE REFERENCE: BKP-021  
CURRENT APPLICATION NUMBER: US/11/004,273  
CURRENT FILING DATE: 2004-12-02  
PRIOR APPLICATION NUMBER: US 10/948,229  
PRIOR FILING DATE: 2004-09-24  
PRIOR APPLICATION NUMBER: CA 2,441,695  
PRIOR FILING DATE: 2003-09-26  
NUMBER OF SEQ ID NOS: 99  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 89  
LENGTH: 30  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-89

Query Match 66.7%; Score 194; DB 20; Length 30;  
Best Local Similarity 100.0%; Pred. No. 5.5e-13;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 13

US-10-291-172-612  
Sequence 612, Application US/10291172  
Publication No. US20030228584A1  
GENERAL INFORMATION:  
APPLICANT: Hysq, Inc  
TITLE OF INVENTION: No. US20030228584A1 Nucleic Acids and Polypeptides  
FILE REFERENCE: 21272-045  
CURRENT APPLICATION NUMBER: US/10/291,172  
CURRENT FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 09/693,267  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 09/665,363  
PRIOR FILING DATE: 2000-09-19  
PRIOR APPLICATION NUMBER: 09/616,847  
PRIOR FILING DATE: 2000-07-14

;; PRIOR APPLICATION NUMBER: 09/596,193  
;; PRIOR FILING DATE: 2000-06-17  
;; PRIOR APPLICATION NUMBER: 09/574,454  
;; PRIOR FILING DATE: 2000-05-19  
;; PRIOR APPLICATION NUMBER: 09/519,705  
;; PRIOR FILING DATE: 2000-03-07  
;; NUMBER OF SEQ ID NOS: 752  
;; SEQ ID NO 612  
;; LENGTH: 119  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-291-172-612

Query Match 43.3%; Score 126; DB 15; Length 119;  
Best Local Similarity 38.2%; Pred. No. 1.3e-05;  
Matches 26; Conservative 3; Mismatches 7; Indels 32; Gaps 2;

Qy 1 EMQDNCETCTCYETE-----WQDNCETC-----TCY 28  
Db 51 EMQDNCETCTCYETEISCTLVSTPVGVDKNCQRIFOEGRLAMYIIVEKKGPQKTCIP 110  
Qy 29 ETEWQTDN 36  
Db 111 VSEWQTDN 118

RESULT 14  
US-10-221-278-612  
;; Sequence 612, Application US/10221278  
;; Publication No. US20040034208a1  
;; GENERAL INFORMATION:  
;; APPLICANT: Hyseq, Inc  
;; TITLE OF INVENTION: No. US20040034208a1 Nucleic Acids and Polypeptides  
;; FILE REFERENCE: 21272-045  
;; CURRENT APPLICATION NUMBER: US/10/221,278  
;; CURRENT FILING DATE: 2002-09-06  
;; PRIOR APPLICATION NUMBER: 09/693,267  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 09/665,363  
;; PRIOR FILING DATE: 2000-09-19  
;; PRIOR APPLICATION NUMBER: 09/616,847  
;; PRIOR FILING DATE: 2000-07-14  
;; PRIOR APPLICATION NUMBER: 09/596,193  
;; PRIOR FILING DATE: 2000-06-17  
;; PRIOR APPLICATION NUMBER: 09/574,454  
;; PRIOR FILING DATE: 2000-05-19  
;; PRIOR APPLICATION NUMBER: 09/519,705  
;; PRIOR FILING DATE: 2000-03-07  
;; NUMBER OF SEQ ID NOS: 752  
;; SEQ ID NO 612  
;; LENGTH: 119  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-221-278-612

Query Match 43.3%; Score 126; DB 15; Length 119;  
Best Local Similarity 38.2%; Pred. No. 1.3e-05;  
Matches 26; Conservative 3; Mismatches 7; Indels 32; Gaps 2;

Qy 1 EMQDNCETCTCYETE-----WQDNCETC-----TCY 28  
Db 51 EMQDNCETCTCYETEISCTLVSTPVGVDKNCQRIFOEGRLAMYIIVEKKGPQKTCIP 110  
Qy 29 ETEWQTDN 36  
Db 111 VSEWQTDN 118

RESULT 15  
US-09-977-406a-56  
;; Sequence 56, Application US/09977406A  
;; Publication No. US20030170220a1  
;; GENERAL INFORMATION:

;; APPLICANT: PROCYON BIOPHARMA INC.  
;; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
;; FILE REFERENCE: 06508-030-US-03  
;; CURRENT APPLICATION NUMBER: US/09/977,406A  
;; CURRENT FILING DATE: 2001-10-15  
;; PRIOR APPLICATION NUMBER: CA 2,321,256  
;; PRIOR FILING DATE: 2000-10-16  
;; PRIOR APPLICATION NUMBER: CA 2,355,334  
;; PRIOR FILING DATE: 2001-08-20  
;; NUMBER OF SEQ ID NOS: 92  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 56  
;; LENGTH: 62  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Polypeptide derived from rhBSP94 sequence (polypeptide analog)  
US-09-977-406a-56

Query Match 40.9%; Score 119; DB 10; Length 62;  
Best Local Similarity 40.3%; Pred. No. 3.8e-05;  
Matches 25; Conservative 2; Mismatches 5; Indels 30; Gaps 3;

Qy 1 EMQDNCETCTCYETE-----WQDNC-----ETC-----TCYET 30  
Db 1 EMQDNCETCTCYETEISCTLVSTPVGVDKNCQRIFKEDCKYIIVEKKDPKTCVS 60  
Qy 31 EW 32  
Db 61 EW 62

Search completed: July 27, 2005, 20:06:06  
Job time : 85.9273 secs

This Page Blank (uspto)

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 27, 2005, 19:08:08 ; Search time 30.7636 Seconds

(without alignments)  
145.592 Million cell updates/sec

Title: US-09-977-406A-92

Perfect score: 388  
Sequence: 1 EMQDNCETCTCYETEMQTD.....TCYETEMQDNCETCTCYET 60

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_AA:\*

- 1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/PTCTUS\_COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	125.5	32.3	94	US-07-899-535A-1	Sequence 1, Appli
2	125.5	32.3	114	US-09-513-999C-7807	Sequence 7807, Ap
3	86	22.2	1917	US-09-627-650B-5	Sequence 5, Appli
4	86	22.2	1917	US-09-436-063C-5	Sequence 5, Appli
5	84.5	21.8	1036	US-09-949-016-6910	Sequence 6910, Ap
6	84.5	21.8	1049	US-09-949-016-11522	Sequence 11522, A
7	83	21.4	801	US-07-906-345A-6	Sequence 6, Appli
8	81	20.9	151	US-09-583-110-4534	Sequence 4534, Ap
9	81	20.9	153	US-09-107-433-2972	Sequence 2972, Ap
10	81	20.9	717	US-09-644-460-37	Sequence 37, Appli
11	78	20.1	2508	US-09-627-650B-7	Sequence 7, Appli
12	78	20.1	2508	US-09-436-063C-7	Sequence 7, Appli
13	78	20.1	2544	US-09-627-650B-3	Sequence 3, Appli
14	78	20.1	2544	US-09-436-063C-3	Sequence 3, Appli
15	78	20.1	2601	US-09-627-650B-9	Sequence 9, Appli
16	78	20.1	2601	US-09-436-063C-9	Sequence 9, Appli
17	77.5	20.0	39	US-08-036-555B-40	Sequence 40, Appli
18	77.5	20.0	39	US-08-469-565-40	Sequence 40, Appli
19	77.5	20.0	39	US-08-249-322A-40	Sequence 40, Appli
20	77.5	20.0	39	US-08-469-526A-40	Sequence 40, Appli
21	77.5	20.0	39	US-08-734-591A-40	Sequence 40, Appli
22	77.5	20.0	39	US-08-469-660-40	Sequence 40, Appli
23	77.5	20.0	39	US-08-735-021-40	Sequence 40, Appli
24	77.5	20.0	39	US-08-734-664A-40	Sequence 40, Appli
25	77.5	20.0	39	PCT-US94-05083C-40	Sequence 40, Appli
26	77.5	20.0	39	PCT-US95-06846A-40	Sequence 40, Appli
27	77	19.8	155	US-08-468-347-19	Sequence 19, Appli

28	77	19.8	155	2	US-08-467-389-19	Sequence 19, Appli
29	77	19.8	155	2	US-08-779-379-19	Sequence 19, Appli
30	77	19.8	155	2	US-08-469-219-19	Sequence 19, Appli
31	77	19.8	155	3	US-09-228-152-18	Sequence 24, Appli
32	77	19.8	197	2	US-08-468-347-24	Sequence 24, Appli
33	77	19.8	197	2	US-08-467-389-24	Sequence 24, Appli
34	77	19.8	197	2	US-08-779-379-24	Sequence 24, Appli
35	77	19.8	197	2	US-08-469-219-24	Sequence 24, Appli
36	77	19.8	197	3	US-09-228-152-24	Sequence 24, Appli
37	75	19.3	1128	4	US-09-627-650B-11	Sequence 11, Appli
38	75	19.3	1128	4	US-09-436-063C-11	Sequence 11, Appli
39	75	19.3	1652	4	US-09-627-650B-1	Sequence 1, Appli
40	75	19.3	1652	4	US-09-436-063C-1	Sequence 1, Appli
41	74	19.1	109	1	US-08-485-359-4	Sequence 4, Appli
42	74	19.1	109	1	US-08-569-594-4	Sequence 4, Appli
43	74	19.1	109	5	PCT-US96-08815-4	Sequence 4, Appli
44	73.5	18.9	943	3	US-08-476-515A-12	Sequence 12, Appli
45	73.5	18.9	944	3	US-08-652-877-12	Sequence 12, Appli

#### ALIGNMENTS

RESULT 1  
US-07-899-535A-1  
Sequence 1, Application US/07899535A

Patent No. 5428011

GENERAL INFORMATION:

APPLICANT: Sheth, Anil R.

APPLICANT: Ganesh, Seema

TITLE OF INVENTION: Pharmaceutical Preparations For

TITLE OF INVENTION: Inhibiting Tumours Associated With Prostate

TITLE OF INVENTION: Adenocarcinoma, Stomach Cancer and Breast Cancer.

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESS: Mr. George Loud

STREET: 2001 Jefferson Davis Highway, Suite 306

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07899, 535A

FILING DATE: 16-JUN-1992

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Loud, George A.

REGISTRATION NUMBER: 25, 814

REFERENCE/DOCKET NUMBER: S&B-A835

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-415-0960

TELEFAX: 703-415-0962

TELEX: 24 8614

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 94 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-07-899-535A-1

Query Match

Best Local Similarity 32.3%; Score 125.5; DB 1; Length 94;

Matches 28; Conservative 41.8%; Pred. No. 8e-06; Indels 25; Gaps 4;

[illegible]

```

RESULT 2
US-09-513-999C-7807
; Sequence 7807, Application US/0951399C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 7807
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -20...-1
; OTHER INFORMATION: score 9
; OTHER INFORMATION: seq VVIFATFVTLGNA/SC
; US-09-513-999C-7807

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Query Match	32.3%	Score 125.5;	DB 4;	Length 114;
Best Local Similarity	41.8%	Pred. No. 9.5e-06;		
Matches 28;	Conservative 12;	Mismatches 25;	Gaps 4;	

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OY      1 EMQDNCETCTCYETEEMQTDCNETCCTCYETE--MQDNC-----ETC-----         40  
        |||||              |          :    ||  
Db     51 EMQTNCECTCYETE----ISCCLVSTPVGDKDNCRIFKKECKRYIVEKKDPK 105
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QY	41 TCYETEM 47
	:
Db	106 TCSVSEW 112

```

RESULT 3
US-09-627-650B-5
Sequence 5, Application US/09627650B
Patent No. 6406872
GENERAL INFORMATION:
APPLICANT: Bamder, Bruce
APPLICANT: Jorgensen, Erik
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
TITLE OF INVENTION: Methods Related Thereto
FILE REFERENCE: 21101.0009US
CURRENT APPLICATION NUMBER: US/09/627,650B
CURRENT FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 09/436,063
PRIOR FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: 60/107,727
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 1917
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-09-627-650B-5

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	Query March	22.2%	Score 86;	DB 4;	Length 1917;	
	Best Local Similarity	37.0%	Pred.	No. 0.85;		
Matches	20;	Conservative	0;	Mismatches	28;	Indels 6; Gaps 2;
Oy	4 TDNCEIETCTCTGTTMGTCNCCTCCTCTGTATMWDNDNETCGTCTTGWQDNCCTCTC					57
Db	1803 TTTCGAATCATTTCTCGAATTATCTC-----TTATCTCTGC-AAAGATGGCAATGCC					1850

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RESULT 4
US-09-436-063C-5
: Sequence 5, Application US/09436063C
: Patent No. 6407210
: GENERAL INFORMATION:
: APPLICANT: Bamber, Bruce
: APPLICANT: Jorgensen, Erik
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: TITLE OF INVENTION: Methods Related Thereto
: FILE REFERENCE: P-1095corrected
: CURRENT APPLICATION NUMBER: US/09/436,063C
: CURRENT FILING DATE: 1999-11-08
: PRIOR APPLICATION NUMBER: 60/107727
: PRIOR FILING DATE: 1998-11-09
: NUMBER OF SEQ ID NOS: 18
: SOFTWARE: Patentin Ver. 2.1
: SEQ ID NO 5
: LENGTH: 1917
: TYPE: PRT
: ORGANISM: Caenorhabditis elegans
US-09-436-063C-5

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Query Match	22.2%;	Score 86;	DB 4;	Length 1917;
Best Local Similarity	37.0%;	Pred. No. 0.85;		
Matches	20;	Conservative	0;	Mismatches 28;
				Indels 6;
				Gaps 2;

Qy	4	TDNCETCTCYETEWDNDCECTCTCYETEMQINDNCECTCTCYETEWDNDCECTCTC	57
Db	1803	TTTGAATCATTTCTGAATATCTC-----TTATCTTCCTC-AAAGATTGGCAATCGC	1850

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RESULT 5
US-09-949-016-6910
; Sequence 6910, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6910
; LENGTH: 1036
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6910

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Query Match 21.8% Score 84.5; DB 4, Length 1036;
Best Local Similarity 22.7% Pred. No. 0.68;
Matches 20; Conservative 9; Mismatches 30; Indels 29; Gaps 4
OY 2 WQNDNCETCTCYETRE-WQNDNCETCTCYETEMQDN-CECTCT-----41
Db 693 WNIISCTQCTCHSGCAVLCTEVCPEPLLQONSRTQDSCCPQCTQPPRPSLRNNSVNY 752

```



Qy 42 CYETE-----WQDNCCTCTCYET 60  
Db 753 CKNDGDIPLAASGKRPVCTSCICIDS 780

RESULT 6  
US-09-949-016-11522  
Sequence 11522, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CLO01307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 11522  
LENGTH: 1049  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-11522

Query Match 21.8%; Score 84.5; DB 4; Length 1049;  
Best Local Similarity 22.7%; Pred. No. 0.69;  
Matches 20; Conservative 9; Mismatches 30; Indels 29; Gaps 4;  
Qy 2 WQDNCCTCTCYETE-WQDNCCTCTCYETWQDNCCTCTCT-----41  
Db 706 WINDSCCTCTCGSGVLCETECVCPPLCQNSPRTQDSCCPOCTDQPFRRSLRNNSVENVY 765  
Qy 42 CYETE-----WQDNCCTCTCYET 60  
Db 766 CKNDGDIPLAASGKRPVCTSCICIDS 793

RESULT 7  
US-07-906-349A-6  
Sequence 6, Application US/07906349A  
Patent No. 5434064  
GENERAL INFORMATION:  
APPLICANT: Schliesinger, Joseph  
APPLICANT: Skolnik, Edward Y.  
APPLICANT: Margolis, Benjamin L.  
TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR  
IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES AND  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Browdy and Neimark  
STREET: 419 Seventh Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/906,349A  
FILING DATE: 30-JUN-1992  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/643,237  
FILING DATE: 18-JAN-1991  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 801 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-906-349A-6

Query Match 21.4%; Score 83; DB 1; Length 801;  
Best Local Similarity 36.8%; Pred. No. 0.75;  
Matches 21; Conservative 0; Mismatches 20; Indels 16; Gaps 3;  
Qy 7 CECTCYETEMQDNCCTCTCYETEMQDNCCT-----CTCYETEMQDNCCTCT 56  
Db 587 CTCCTC-----TTTCCCTCCTT---TGCTTTTTCATCCTTTTCTCTCTCT 634

RESULT 8  
US-09-583-110-4534  
Sequence 4534, Application US/09583110  
Patent No. 6699703  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al.  
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
FILE REFERENCE: PATH00-07A  
CURRENT APPLICATION NUMBER: US/09/583,110  
CURRENT FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/107,433  
PRIOR FILING DATE: 1998-06-30  
PRIOR APPLICATION NUMBER: US 60/085,131  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: US 60/051,553  
PRIOR FILING DATE: 1997-07-02  
NUMBER OF SEQ ID NOS: 5322  
SEQ ID NO 4534  
LENGTH: 151  
TYPE: PRT  
ORGANISM: Streptococcus pneumoniae  
US-09-583-110-4534

Query Match 20.9%; Score 81; DB 4; Length 151;  
Best Local Similarity 28.1%; Pred. No. 0.26;  
Matches 16; Conservative 12; Mismatches 29; Indels 0; Gaps 0;  
Qy 3 QDNCCTCTCYETEMQDNCCTCTCYETEMQDNCCTCTCYETEMQDNCCTCTCYE 59  
Db 45 KIDVSSKYCFEVDKIDVSSKYCFEVDKIDVSSKYCFEVDKIDVSSKYCFEVDKIDVSSKYCFE 101

RESULT 9  
US-09-107-433-2972  
Sequence 2972, Application US/09107433  
Patent No. 6800744  
GENERAL INFORMATION:  
APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID  
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO  
THERAPEUTICS  
NUMBER OF SEQUENCES: 5206  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/107,433
;   FILING DATE: 30-Jun-1998
;   PRIORITY APPLICATION DATA:
;     APPLICATION NUMBER: 60/ 085131
;     FILING DATE: May 12, 1998
;     APPLICATION NUMBER: 60/051553
;     FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: Arinello, Pamela Deneke
;   REGISTRATION NUMBER: 40,489
;   REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (781)893-5007
;   TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 2972:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 153 amino acids
;     TYPE: amino acid
;     TOPOLOGY: linear
;     MOLECULE TYPE: protein
;     HYPOTHEetical: YES
;     ORIGINAL SOURCE:
;       ORGANISM: Streptococcus pneumoniae
;       FEATURE:
;         NAME/KEY: misc feature
;         LOCATION: (B) LOCATION 1...153
;       SEQUENCE DESCRIPTION: SEQ ID NO: 2972:
;
; US-09-107-433-2972
;
Query Match          20.9%; Score 81; DB 4; Length 153;
Best Local Similarity 28.1%; Pred. No. 0.26;
Matches 16; Conservative 12; Mismatches 29; Indels 0; Gaps 0;

QY 3 QDNCCTCTCYETEMQDNCCTCTCYETEMQDNCCTCTCYETEMQDNCCTCTCYE 59
Db 47 KIDVSSKCYEVDKIDVSSKCYEVDKIDVSSKCYEVDKIDVSSKCYE 103

RESULT 10
US-09-644-460-37
; Sequence 37, Application US/09644460
; Patent No. 6657053
; GENERAL INFORMATION:
;   APPLICANT: Fisher, Paul B.
;   TITLE OF INVENTION: Reciprocal Subtraction Differential
;   FILE REFERENCE: 34587-C-PCT-USA
;   CURRENT APPLICATION NUMBER: US/09/644,460
;   CURRENT FILING DATE: 2000-08-23
;   PRIOR APPLICATION NUMBER: PCT/US99/04323
;   PRIOR FILING DATE: 1999-02-26
;   PRIOR APPLICATION NUMBER: US 09/197,889
;   PRIOR FILING DATE: 1998-11-23
;   PRIOR APPLICATION NUMBER: US 09/185,115
;   PRIOR FILING DATE: 1998-11-03
;   PRIOR APPLICATION NUMBER: US 09/032,684
;   PRIOR FILING DATE: 1998-02-27
;   NUMBER OF SEQ ID NOS: 42
;   SOFTWARE: FastSeq for Windows Version 4.0
;   SEQ ID NO 37
;   LENGTH: 717
;   TYPE: PRT
;   ORGANISM: homo sapiens
; US-09-644-460-37

Query Match          20.9%; Score 81; DB 4; Length 717;
Best Local Similarity 31.9%; Pred. No. 1.1;
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Matches 22; Conservative 1; Mismatches 22; Indels 24; Gaps 4;

QY 6 NCCTCTCYETEMQDNC-----ETCTCYETEMQDNC-----ETCTCYETEMQDNC 51
Db 230 NAGTCTCTNT---TNNCTCAGTGTCGACCTTCACATCNCAGNCATNNNTGCG-----TN 279

QY 52 CECTCTCYET 60
Db 280 CNGCNGCT 288

RESULT 11
US-09-627-650B-7
; Sequence 7, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
;   APPLICANT: Bamberg, Bruce
;   TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
;   TITLE OF INVENTION: Methods Related Thereto
;   FILE REFERENCE: 21101.000903
;   CURRENT APPLICATION NUMBER: US/09/627,650B
;   CURRENT FILING DATE: 2000-07-28
;   PRIOR APPLICATION NUMBER: 09/436,063
;   PRIOR FILING DATE: 1999-11-08
;   PRIOR APPLICATION NUMBER: 60/107,727
;   PRIOR FILING DATE: 1998-11-09
;   NUMBER OF SEQ ID NOS: 50
;   SOFTWARE: Patentln Ver. 2.1
;   SEQ ID NO 7
;   LENGTH: 2508
;   TYPE: PRT
;   ORGANISM: Caenorhabditis elegans
; US-09-627-650B-7

Query Match          20.1%; Score 78; DB 4; Length 2508;
Best Local Similarity 33.3%; Pred. No. 6.5;
Matches 20; Conservative 0; Mismatches 34; Indels 6; Gaps 1;

QY 7 CECTCTCYETEMQDNCETC-----TCYETEMQDNCETCTCYETEMQDNCETCTCYET 60
Db 897 CTACACTATGAACATCGTCATCCCATCCATCCGATCGTACCATATCTGGGATCATTT 956

RESULT 12
US-09-436-063C-7
; Sequence 7, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
;   APPLICANT: Bamberg, Bruce
;   APPLICANT: Jorgensen, Erik
;   TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
;   TITLE OF INVENTION: Methods Related Thereto
;   FILE REFERENCE: P-1095corrected
;   CURRENT APPLICATION NUMBER: US/09/436,063C
;   CURRENT FILING DATE: 1999-11-08
;   PRIOR APPLICATION NUMBER: 60/107727
;   PRIOR FILING DATE: 1998-11-09
;   NUMBER OF SEQ ID NOS: 18
;   SOFTWARE: Patentln Ver. 2.1
;   SEQ ID NO 7
;   LENGTH: 2508
;   TYPE: PRT
;   ORGANISM: Caenorhabditis elegans
; US-09-436-063C-7

Query Match          20.1%; Score 78; DB 4; Length 2508;
Best Local Similarity 33.3%; Pred. No. 6.5;
Matches 20; Conservative 0; Mismatches 34; Indels 6; Gaps 1;
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RESULT 13  
US-09-627-650B-3

; Sequence 3, Application US/09627650B  
; Patent No. 6406872  
; GENERAL INFORMATION:  
; APPLICANT: Bamder, Bruce  
; APPLICANT: Jorgensen, Erik  
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
; TITLE OF INVENTION: Methods Related Thereto  
; FILE REFERENCE: 21101.0009U3  
; CURRENT APPLICATION NUMBER: US/09/627,650B  
; CURRENT FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: 09/436,063  
; PRIOR FILING DATE: 1999-11-08  
; PRIOR APPLICATION NUMBER: 60/107,727  
; PRIOR FILING DATE: 1998-11-09  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 2544  
; TYPE: PRT  
; ORGANISM: Caenorhabditis elegans  
US-09-627-650B-3

Query Match 20.1%; Score 78; DB 4; Length 2544;  
Best Local Similarity 33.3%; Pred. No. 6.6;  
Matches 20; Conservative 0; Mismatches 34; Indels 6; Gaps 1;

OY 7 CETCTCYETEMQDNCETC-----TCYETEMQDNCETCTCYETEMQDNCETCTCYET 60  
Db 897 CTACACTATGAACATCGTCATCCCATCCATCCATCGTCATCCATCATTTGGGTATCATTT 956

## RESULT 14

US-09-436-063C-3  
; Sequence 3, Application US/09436063C  
; Patent No. 6407210  
; GENERAL INFORMATION:  
; APPLICANT: Bamder, Bruce  
; APPLICANT: Jorgensen, Erik  
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
; TITLE OF INVENTION: Methods Related Thereto  
; FILE REFERENCE: P-1095corrected  
; CURRENT APPLICATION NUMBER: US/09/436,063C  
; CURRENT FILING DATE: 1999-11-08  
; PRIOR APPLICATION NUMBER: 60/107727  
; PRIOR FILING DATE: 1998-11-09  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 2544  
; TYPE: PRT  
; ORGANISM: Caenorhabditis elegans  
US-09-436-063C-3

Query Match 20.1%; Score 78; DB 4; Length 2544;  
Best Local Similarity 33.3%; Pred. No. 6.6;  
Matches 20; Conservative 0; Mismatches 34; Indels 6; Gaps 1;

OY 7 CETCTCYETEMQDNCETC-----TCYETEMQDNCETCTCYETEMQDNCETCTCYET 60  
Db 897 CTACACTATGAACATCGTCATCCCATCCATCCATCGTCATCCATCATTTGGGTATCATTT 956

## RESULT 15

US-09-627-650B-9  
; Sequence 9, Application US/09627650B  
; Patent No. 6406872  
; GENERAL INFORMATION:  
; APPLICANT: Bamder, Bruce  
; APPLICANT: Jorgensen, Erik

; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
; TITLE OF INVENTION: Methods Related Thereto  
; FILE REFERENCE: 21101.0009U3  
; CURRENT APPLICATION NUMBER: US/09/627,650B  
; CURRENT FILING DATE: 2000-07-28  
; PRIOR APPLICATION NUMBER: 09/436,063  
; PRIOR FILING DATE: 1999-11-08  
; PRIOR APPLICATION NUMBER: 60/107,727  
; PRIOR FILING DATE: 1998-11-09  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 9  
; LENGTH: 2601  
; TYPE: PRT  
; ORGANISM: Caenorhabditis elegans  
US-09-627-650B-9

Query Match 20.1%; Score 78; DB 4; Length 2601;  
Best Local Similarity 33.3%; Pred. No. 6.7;  
Matches 20; Conservative 0; Mismatches 34; Indels 6; Gaps 1;

OY 7 CETCTCYETEMQDNCETC-----TCYETEMQDNCETCTCYETEMQDNCETCTCYET 60  
Db 897 CTACACTATGAACATCGTCATCCCATCCATCCATCGTCATCCATCATTTGGGTATCATTT 956

Search completed: July 27, 2005, 19:28:44  
Job time : 31.7636 secs

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US-10-948-229-91  
; Sequence 91, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948, 229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 91  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-91

Query Match 100.0%; Score 388; DB 17; Length 60;  
Best Local Similarity 100.0%; Pred. No. 7e-31;  
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 60  
Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 60

RESULT 3  
US-11-004-270-91  
; Sequence 91, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Bellevue, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004, 270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 91  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-91

Query Match 100.0%; Score 388; DB 20; Length 60;  
Best Local Similarity 100.0%; Pred. No. 7e-31;  
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 60  
Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 60

Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 60

RESULT 4  
US-11-004-273-91  
; Sequence 91, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Bellevue, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004, 273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 91  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-91

Query Match 100.0%; Score 388; DB 20; Length 60;  
Best Local Similarity 100.0%; Pred. No. 7e-31;  
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 60  
Db 1 EMOTDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 60

RESULT 5  
US-09-977-406A-91  
; Sequence 91, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977, 406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 91  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from PCK3145 sequence (polypeptide analog)  
US-09-977-406A-91

Query Match 75.0%; Score 291; DB 10; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1.4e-21;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 6  
US-10-948-229-90  
; Sequence 90, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Seema  
; APPLICANT: Gardé, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948, 229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 90  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-90

Query Match 75.0%; Score 291; DB 17; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1,4e-21;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 7  
US-11-004-270-90  
; Sequence 90, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Bellevue, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Gardé, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 90  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-90

Query Match 75.0%; Score 291; DB 20; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1,4e-21;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 8  
US-11-004-273-90  
; Sequence 90, Application US/11004273  
; Publication No. US20050148514A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Bellevue, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Gardé, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 90  
; LENGTH: 45  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-90

Query Match 75.0%; Score 291; DB 20; Length 45;  
Best Local Similarity 100.0%; Pred. No. 1,4e-21;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45  
Db 1 EWQDNCETCTCYETEMQDNCETCTCYETEMQDNCETCTCYET 45

RESULT 9  
US-09-977-406A-90  
; Sequence 90, Application US/09977406A  
; Publication No. US20030170220A1  
; GENERAL INFORMATION:  
; APPLICANT: PROCYON BIOPHARMA, INC.  
; TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING TUMORS  
; FILE REFERENCE: 06508-030-US-03  
; CURRENT APPLICATION NUMBER: US/09/977,406A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: CA 2,321,256  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: CA 2,355,334  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 90  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polypeptide derived from PCK3145 sequence (polypeptide analog)  
US-09-977-406A-90

US-09-977-406a-90

Query Match 50.0%; Score 194; DB 10; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2,7e-12;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 10

US-10-948-229-89  
; Sequence 89, Application US/10948229  
; Publication No. US20050096273A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; TITLE OF INVENTION: REGULATION OF MATRIX METALLOPROTEINASES BY PSP94 FAMILY MEMBERS  
; FILE REFERENCE: BKP-022  
; CURRENT APPLICATION NUMBER: US/10/948,229  
; CURRENT FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 89  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PSP94 family member  
US-10-948-229-89

Query Match 50.0%; Score 194; DB 17; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2,7e-12;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 11

US-11-004-270-89  
; Sequence 89, Application US/11004270  
; Publication No. US20050147601A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: REGULATION OF CELL MIGRATION AND ADHESION  
; FILE REFERENCE: BKP-020  
; CURRENT APPLICATION NUMBER: US/11/004,270  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 89  
; LENGTH: 30

; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-270-89

Query Match 50.0%; Score 194; DB 20; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2,7e-12;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 12

US-11-004-273-89  
; Sequence 89, Application US/11004273  
; Publication No. US2005014851A1  
; GENERAL INFORMATION:  
; APPLICANT: Panchal, Chandra J.  
; APPLICANT: Wu, Jinzi  
; APPLICANT: Beliveau, Richard  
; APPLICANT: Ruiz, Marcia  
; APPLICANT: Garde, Seema  
; APPLICANT: Annabi, Borhane  
; APPLICANT: Lamy, Sylvie  
; APPLICANT: Bouzeghrane, Mounia  
; APPLICANT: Daigneault, Luc  
; APPLICANT: Hawkins, Robert  
; TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF ANGIOGENESIS  
; FILE REFERENCE: BKP-021  
; CURRENT APPLICATION NUMBER: US/11/004,273  
; CURRENT FILING DATE: 2004-12-02  
; PRIOR APPLICATION NUMBER: US 10/948,229  
; PRIOR FILING DATE: 2004-09-24  
; PRIOR APPLICATION NUMBER: CA 2,441,695  
; PRIOR FILING DATE: 2003-09-26  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 89  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: PCK3145 derivative  
US-11-004-273-89

Query Match 50.0%; Score 194; DB 20; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2,7e-12;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EMQDNCETCTCYETEMQDNCETCTCYET 30  
Db 1 EMQDNCETCTCYETEMQDNCETCTCYET 30

RESULT 13

US-10-291-172-612  
; Sequence 612, Application US/10291172  
; Publication No. US20030228584A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: No. US20030228584A1 Nucleic Acids and Polypeptides  
; FILE REFERENCE: 21272-045  
; CURRENT APPLICATION NUMBER: US/10/291,172  
; CURRENT FILING DATE: 2000-11-08  
; PRIOR APPLICATION NUMBER: 09/693,267  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 09/665,363  
; PRIOR FILING DATE: 2000-09-19  
; PRIOR APPLICATION NUMBER: 09/616,847  
; PRIOR FILING DATE: 2000-07-14





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